Antonio C L Nóbrega

List of Publications by Year in descending order

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126 papers 2,019 citations

257450 24 h-index 330143 37 g-index

128 all docs

128 docs citations

times ranked

128

2605 citing authors

#	Article	IF	CITATIONS
1	Neural Regulation of Cardiovascular Response to Exercise: Role of Central Command and Peripheral Afferents. BioMed Research International, 2014, 2014, 1-20.	1.9	144
2	Overweight Latino Children and Adolescents Have Marked Endothelial Dysfunction and Subclinical Vascular Inflammation in Association With Excess Body Fat and Insulin Resistance. Diabetes Care, 2008, 31, 576-582.	8.6	112
3	Neural control of circulation and exercise: a translational approach disclosing interactions between central command, arterial baroreflex, and muscle metaboreflex. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H381-H392.	3.2	90
4	Cholinergic stimulation with pyridostigmine increases heart rate variability and baroreflex sensitivity in rats. Autonomic Neuroscience: Basic and Clinical, 2004, 113, 24-31.	2.8	75
5	Cholinergic stimulation with pyridostigmine reduces ventricular arrhythmia and enhances heart rate variability in heart failure. American Heart Journal, 2003, 146, 494-500.	2.7	64
6	The Subacute Effects of Exercise: Concept, Characteristics, and Clinical Implications. Exercise and Sport Sciences Reviews, 2005, 33, 84-87.	3.0	60
7	Coronary artery bypass surgery and longitudinal evaluation of the autonomic cardiovascular function. Critical Care, 2005, 9, R124.	5.8	53
8	Enhancement of heart rate variability by cholinergic stimulation with pyridostigmine in healthy subjects. Clinical Autonomic Research, 2001, 11, 11-17.	2.5	47
9	Intrathecal fentanyl abolishes the exaggerated blood pressure response to cycling in hypertensive men. Journal of Physiology, 2016, 594, 715-725.	2.9	44
10	Exercise training dose differentially alters muscle and heart capillary density and metabolic functions in an obese rat with metabolic syndrome. Experimental Physiology, 2017, 102, 1716-1728.	2.0	44
11	Cholinergic Stimulation Improves Autonomic and Hemodynamic Profile During Dynamic Exercise in Patients With Heart Failure. Journal of Cardiac Failure, 2009, 15, 124-129.	1.7	43
12	Diving and exercise: The interaction of trigeminal receptors and muscle metaboreceptors on muscle sympathetic nerve activity in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H367-H375.	3.2	34
13	Mechanisms for increasing stroke volume during static exercise with fixed heart rate in humans. Journal of Applied Physiology, 1997, 83, 712-717.	2.5	33
14	Electrocardiographic criteria for vagotoniaâ€"validation with pharmacological parasympathetic blockade in healthy subjects. International Journal of Cardiology, 2003, 87, 231-236.	1.7	31
15	Inspiratory Muscle Training Improves Intercostal and Forearm Muscle Oxygenation in Patients With Chronic Heart Failure: Evidence of the Origin of the Respiratory Metaboreflex. Journal of Cardiac Failure, 2017, 23, 672-679.	1.7	31
16	Cardiac function during mental stress: cholinergic modulation with pyridostigmine in healthy subjects. Clinical Science, 2003, 105, 161-165.	4.3	29
17	Capsaicin-based analgesic balm attenuates the skeletal muscle metaboreflex in healthy humans. Journal of Applied Physiology, 2018, 125, 362-368.	2.5	29
18	Blood pressure assessment during resistance exercise: comparison between auscultation and Finapres. Blood Pressure Monitoring, 2007, 12, 81-86.	0.8	28

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19	Cholinergic stimulation with pyridostigmine blunts the cardiac responses to mental stress. Clinical Autonomic Research, 1999, 9, 11-16.	2.5	26
20	Effects of exercise training on the vascular reactivity of the whole kidney circulation in rabbits. Journal of Applied Physiology, 2004, 97, 683-688.	2.5	26
21	Exercise-induced hypotension in autonomic disorders. Autonomic Neuroscience: Basic and Clinical, 2012, 171, 66-78.	2.8	26
22	Aerobic exercise acutely prevents the endothelial dysfunction induced by mental stress among subjects with metabolic syndrome: the role of shear rate. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H963-H971.	3.2	26
23	Human brain blood flow and metabolism during isocapnic hyperoxia: the role of reactive oxygen species. Journal of Physiology, 2019, 597, 741-755.	2.9	26
24	Interaction Between Resistance Training and Flexibility Training in Healthy Young Adults. Journal of Strength and Conditioning Research, 2005, 19, 842.	2.1	26
25	Diet and exercise training reduce blood pressure and improve autonomic modulation in women with prehypertension. European Journal of Applied Physiology, 2012, 112, 3369-3378.	2.5	25
26	Risk of Hypothermia in a New Olympic Event: the 10-km Marathon Swim. Clinics, 2009, 64, 351-356.	1.5	24
27	Longitudinal evaluation the pulmonary function of the pre and postoperative periods in the coronary artery bypass graft surgery of patients treated with a physiotherapy protocol. Journal of Cardiothoracic Surgery, 2011, 6, 62.	1.1	24
28	Selective \hat{l}_{\pm} ₁ -adrenergic blockade disturbs the regional distribution of cerebral blood flow during static handgrip exercise. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H1541-H1548.	3.2	24
29	Reduced arterial vasodilatation in response to hypoxia impairs cerebral and peripheral oxygen delivery in hypertensive men. Journal of Physiology, 2018, 596, 1167-1179.	2.9	24
30	Noninvasive Ventilation With Continuous Positive Airway Pressure Acutely Improves 6-Minute Walk Distance in Chronic Heart Failure. Journal of Cardiopulmonary Rehabilitation and Prevention, 2009, 29, 44-48.	2.1	23
31	Cholinergic stimulation with pyridostigmine, hemodynamic and echocardiographic analysis in healthy subjects. Arquivos Brasileiros De Cardiologia, 1999, 72, 297-306.	0.8	21
32	Muscle metaboreflex and cerebral blood flow regulation in humans: implications for exercise with blood flow restriction. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H1201-H1209.	3.2	21
33	Proposal of a New Specific Cardiopulmonary Exercise Test for Taekwondo Athletes. Journal of Strength and Conditioning Research, 2017, 31, 1525-1535.	2.1	21
34	\hat{l}^2 -adrenergic receptor polymorphisms in susceptibility, response to treatment and prognosis in heart failure: Implication of ethnicity. Molecular Medicine Reports, 2013, 7, 259-265.	2.4	20
35	Effects of anabolic androgenic steroids on sleep patterns of individuals practicing resistance exercise. European Journal of Applied Physiology, 2008, 102, 555-560.	2.5	18
36	Interval and Continuous Exercise Training Produce Similar Increases in Skeletal Muscle and Left Ventricle Microvascular Density in Rats. BioMed Research International, 2013, 2013, 1-7.	1.9	17

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37	Pyridostigmine blunts the increases in myocardial oxygen demand elicited by the stimulation of the central nervous system in anesthetized rats. Clinical Autonomic Research, 1999, 9, 83-89.	2.5	16
38	Is There Association between Uric Acid and Inflammation in Hemodialysis Patients?. Renal Failure, 2013, 35, 361-366.	2.1	16
39	Exogenous l-arginine reduces matrix metalloproteinase-2 and -9 activities and oxidative stress in patients with hypertension. Life Sciences, 2016, 157, 125-130.	4.3	16
40	Disturbed blood flow induces endothelial apoptosis without mobilizing repair mechanisms in hypertension. Life Sciences, 2018, 209, 103-110.	4.3	16
41	Oscillatory shear stress induces hemostatic imbalance in healthy men. Thrombosis Research, 2018, 170, 119-125.	1.7	16
42	Acid-sensing ion channels blockade attenuates pressor and sympathetic responses to skeletal muscle metaboreflex activation in humans. Journal of Applied Physiology, 2019, 127, 1491-1501.	2.5	16
43	Reduction of QTc interval dispersion. Potential mechanism of cardiac protection of pyridostigmine bromide. Arquivos Brasileiros De Cardiologia, 2000, 75, 210-213.	0.8	15
44	Effects of resistance exercise training on acyl-ghrelin and obestatin levels in hemodialysis patients. Renal Failure, 2015, 37, 851-857.	2.1	15
45	Carotid baroreflex function at the onset of cycling in men. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R870-R878.	1.8	15
46	Water drinking enhances the gain of arterial baroreflex control of muscle sympathetic nerve activity in healthy young humans. Experimental Physiology, 2018, 103, 1318-1325.	2.0	15
47	Parasympathetic-mediated atrial fibrillation during tilt test associated with increased baroreflex sensitivity. Europace, 2006, 8, 349-351.	1.7	14
48	Intra- and inter-tester reproducibility of venous occlusion plethysmography: comparison between a manual and a semi-automatic method of blood flow analysis. Physiological Measurement, 2009, 30, 1267-1279.	2.1	14
49	Pyridostigmine reduces QTc interval during recovery from maximal exercise in ischemic heart disease. International Journal of Cardiology, 2006, 107, 138-139.	1.7	13
50	Blood pressure and forearm blood flow after multiple sets of a resistive exercise for the lower limbs. Blood Pressure Monitoring, 2011, 16, 180-185.	0.8	13
51	Cerebrovascular responses to cold pressor test during static exercise in humans. Clinical Physiology and Functional Imaging, 2012, 32, 59-64.	1.2	13
52	Oscillatory blood pressure response to the onset of cycling exercise in men: role of group III/IV muscle afferents. Experimental Physiology, 2015, 100, 302-311.	2.0	13
53	Arginine and aerobic training prevent endothelial and metabolic alterations in rats at high risk for the development of the metabolic syndrome. British Journal of Nutrition, 2017, 118, 1-10.	2. 3	13
54	K ATP channels modulate cerebral blood flow and oxygen delivery during isocapnic hypoxia in humans. Journal of Physiology, 2020, 598, 3343-3356.	2.9	13

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55	Cardiovascular effects elicited by central administration of physostigmine via M2 muscarinic receptors in conscious cats. Brain Research, 1995, 677, 268-276.	2.2	12
56	Estudo da reatividade vascular em portadores de HIV com e sem uso de inibidor de protease. Arquivos Brasileiros De Cardiologia, 2009, 93, 367-373.	0.8	12
57	Endothelial Nitric Oxide Synthase Polymorphisms and Adaptation of Parasympathetic Modulation to Exercise Training. Medicine and Science in Sports and Exercise, 2011, 43, 1611-1618.	0.4	12
58	Effect of continuous and interval aerobic exercise training on baroreflex sensitivity in heart failure. Autonomic Neuroscience: Basic and Clinical, 2016, 197, 9-13.	2.8	12
59	Effects of Heart Rate Reduction With Either Pyridostigmine or Ivabradine in Patients With Heart Failure: A Randomized, Double-Blind Study. Journal of Cardiovascular Pharmacology and Therapeutics, 2019, 24, 139-145.	2.0	12
60	Avaliação descritiva sobre o uso de esteroides anabolizantes e seu efeito sobre as variáveis bioquÃmicas e neuroendócrinas em indivÃduos que praticam exercÃcio resistido. Revista Brasileira De Medicina Do Esporte, 2010, 16, 191-195.	0.2	11
61	Aerobic training prevents oxidative profile and improves nitric oxide and vascular reactivity in rats with cardiometabolic alteration. Journal of Applied Physiology, 2016, 121, 289-298.	2.5	11
62	Cholinergic stimulation with pyridostigmine prevents the impairment in ventricular function during mental stress in coronary artery disease patients. International Journal of Cardiology, 2008, 125, 418-421.	1.7	10
63	Muscle sympathetic nerve activity and hemodynamic responses to venous distension: does sex play a role?. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H734-H742.	3.2	10
64	Sex Differences in High Sensitivity C-Reactive Protein in Subjects with Risk Factors of Metabolic Syndrome. Arquivos Brasileiros De Cardiologia, 2016, 106, 182-7.	0.8	10
65	The influence of a fast ramp rate on peak cardiopulmonary parameters during arm crank ergometry. Clinical Physiology and Functional Imaging, 2010, 30, 420-425.	1.2	9
66	Aerobic exercise modulation of mental stress-induced responses in cultured endothelial progenitor cells from healthy and metabolic syndrome subjects. Life Sciences, 2015, 123, 93-99.	4.3	9
67	Effects of face cooling on pulse waveform and sympathetic activity in hypertensive subjects. Clinical Autonomic Research, 2017, 27, 45-49.	2.5	9
68	Cardiac I123-MIBG Correlates Better than Ejection Fraction with Symptoms Severity in Systolic Heart Failure. Arquivos Brasileiros De Cardiologia, 2013, 101, 4-8.	0.8	9
69	Relação entre imagem adrenérgica cardÃaca e teste ergométrico na insuficiência cardÃaca. Arquivos Brasileiros De Cardiologia, 2011, 96, 370-376.	0.8	8
70	Different ventilatory responses to progressive maximal exercise test performed with either the arms or legs. Clinics, 2011, 66, 1137-1142.	1.5	8
71	Exercise-induced cardiac opioid system activation attenuates apoptosis pathway in obese rats. Life Sciences, 2019, 231, 116542.	4.3	8
72	Benefits of pharmacological and electrical cholinergic stimulation in hypertension and heart failure. Acta Physiologica, 2021, 232, e13663.	3.8	8

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73	Impaired Circulating Angiogenic Cells Mobilization and Metalloproteinase-9 Activity after Dynamic Exercise in Early Metabolic Syndrome. BioMed Research International, 2015, 2015, 1-9.	1.9	7
74	Effect of tamoxifen on fibrosis, collagen content and transforming growth factor $\hat{\mathbf{a}} \in \hat{\mathbf{l}}^2$ and $\hat{\mathbf{l}} \in \hat{\mathbf{l}^2}$ and $\hat{\mathbf{l}} \in \mathbf$	1.3	7
75	Absent increase in vertebral artery blood flow during <scp>I</scp> -arginine infusion in hypertensive men. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R820-R824.	1.8	7
76	Aerobic exercise modulates cardiac NAD(P)H oxidase and the NRF2/KEAP1 pathway in a mouse model of chronic fructose consumption. Journal of Applied Physiology, 2020, 128, 59-69.	2.5	7
77	Enalapril and treadmill running reduce adiposity, but only the latter causes adipose tissue browning in mice. Journal of Cellular Physiology, 2021, 236, 900-910.	4.1	7
78	Minute-Ventilation Variability during Cardiopulmonary Exercise Test is Higher in Sedentary Men Than in Athletes. Arquivos Brasileiros De Cardiologia, 2017, 109, 185-190.	0.8	7
79	Cardiovascular Autonomic Response to Food Ingestion in Patients with Gastritis: A Comparison Between Helicobacter pylori-Positive and -Negative Patients. Helicobacter, 2006, 11, 173-180.	3.5	6
80	Microalbuminúria é um marcador prognóstico independente em pacientes com insuficiência cardÃaca crônica. Arquivos Brasileiros De Cardiologia, 2012, 98, 62-69.	0.8	6
81	Endothelial nitric oxide gene haplotype reduces the effect of a single bout of exercise on the vascular reactivity in healthy subjects. Translational Research, 2013, 161, 15-25.	5.0	6
82	Heart Rate Recovery in the First Minute at the Six-Minute Walk Test in Patients with Heart Failure. Arquivos Brasileiros De Cardiologia, 2014, 102, 279-87.	0.8	6
83	Fulminant liver failure in a street runner: Effects of heat stroke. Revista Da Associação Médica Brasileira, 2018, 64, 208-211.	0.7	6
84	Série fracionada da extensão de joelho proporciona maiores respostas cardiovasculares que séries contÃnuas. Arquivos Brasileiros De Cardiologia, 2008, 90, 382-387.	0.8	6
85	Renin-angiotensin system modulation through enalapril and/or exercise training improves visceral adiposity in obese mice. Life Sciences, 2022, 291, 120269.	4.3	6
86	Sex differences in blood pressure responses to mental stress are abolished after a single bout of exercise: underlying hemodynamic mechanisms. Journal of Physiological Sciences, 2014, 64, 213-219.	2.1	5
87	Differential vasomotor responses to isocapnic hyperoxia: cerebral versus peripheral circulation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 318, R182-R187.	1.8	5
88	Sympathetic regulation of coronary circulation during handgrip exercise and isolated muscle metaboreflex activation in men. Experimental Physiology, 2021, 106, 2400-2411.	2.0	5
89	Assessment of characteristic of the vasomotor control dynamics based on plethysmographic blood flow measurement. Physiological Measurement, 2008, 29, 205-215.	2.1	4
90	Acute Effects of Continuous Positive Airway Pressure on Pulse Pressure in Chronic Heart Failure. Arquivos Brasileiros De Cardiologia, 2014, 102, 181-6.	0.8	4

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91	Adults with initial metabolic syndrome have altered muscle deoxygenation during incremental exercise. Obesity, 2017, 25, 424-431.	3.0	4
92	Transcutaneous electrical nerve stimulation attenuates cardiac sympathetic drive in heart failure: a 123MIBG myocardial scintigraphy randomized controlled trial. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H226-H233.	3.2	4
93	Impact of Brazil Nut (<i>Bertholletia excelsa</i> , H.B.K.) Supplementation on Body Composition, Blood Pressure, and the Vascular Reactivity of Wistar Rats When Submitted to a Hypersodium Diet. Journal of the American College of Nutrition, 2022, 41, 559-568.	1.8	4
94	Reactive oxygen species play a modulatory role in the hyperventilatory response to poikilocapnic hyperoxia in humans. Journal of Physiology, 2021, 599, 3993-4007.	2.9	4
95	Hypertension impairs hypoxia-induced angiogenesis in men. Journal of Hypertension, 2020, 38, 1131-1139.	0.5	4
96	Análise estrutural e funcional carotÃdea em familiares de pacientes com diabete melito tipo 2. Arquivos Brasileiros De Cardiologia, 2009, 92, 186-192, 190-6.	0.8	4
97	Tamoxifen decreases the myofibroblast count in the healing bile duct tissue of pigs. Clinics, 2013, 68, 101-106.	1.5	4
98	Reduced Hemodynamic Responses to Physical and Mental Stress Under Low-Dose Rilmenidine in Healthy Subjects. Cardiovascular Drugs and Therapy, 2006, 20, 129-134.	2.6	3
99	Monitorização ambulatorial da pressão arterial e pressão casual em hiper-reatores ao esforço. Arquivos Brasileiros De Cardiologia, 2007, 88, 565-572.	0.8	3
100	Efeito do carvedilol a curto prazo na atividade simpática cardÃaca pela cintilografia com 123I-MIBG. Arquivos Brasileiros De Cardiologia, 2010, 94, 328-332.	0.8	3
101	In vivo blood velocity measurements with particle image velocimetry in echocardiography using spontaneous contrast. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2015, 37, 559-569.	1.6	3
102	Cardiovascular and Autonomic Responses after a Single Bout of Resistance Exercise in Men with Untreated Stage 2 Hypertension. International Journal of Hypertension, 2021, 2021, 1-10.	1.3	3
103	Alterations of the Kidney Cortex Proteome in Response to Exercise Training in Normoglycemic and Hyperglycemic Conditions. Current Topics in Medicinal Chemistry, 2014, 14, 450-461.	2.1	3
104	The risks of information in health care: do we need a new decision aid?. Clinics, 2013, 68, 1177-1179.	1.5	3
105	Elderly patients with unexplained syncope: What should be considered a positive tilt test response?. Autonomic Neuroscience: Basic and Clinical, 2006, 126-127, 169-173.	2.8	2
106	Cintilografia miocárdica com estresse mental na investigação de dor torácica. Arquivos Brasileiros De Cardiologia, 2009, 93, e63-e66.	0.8	2
107	Aerobic Training Associated with Arginine Supplementation Reduces Collagen-Induced Platelet Hyperaggregability in Rats under High Risk to Develop Metabolic Syndrome. International Journal of Endocrinology, 2019, 2019, 1-8.	1.5	2
108	eNOS gene haplotype is indirectly associated with the recovery of cardiovascular autonomic modulation from exercise. Autonomic Neuroscience: Basic and Clinical, 2014, 186, 77-84.	2.8	1

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109	Statin therapy and cardiac sympathetic activity in patients with heart failure: A 123Iodine-metaiodobenzylguanidine myocardial scintigraphy study. International Journal of Cardiology, 2014, 176, 1181-1183.	1.7	1
110	Teste de esforco cardiopulmonar na insuficiencia cardiaca de fracao de ejecao normal. Revista Brasileira De Medicina Do Esporte, 2014, 20, 41-46.	0.2	1
111	Lâ€arginine Reduces Matrix Metalloproteinases Activity and Normalizes Oxidative Stress in Hypertensive Patients. FASEB Journal, 2015, 29, 1048.2.	0.5	1
112	Elevated Heart Rate is Associated with Cardiac Denervation in Patients with Heart Failure: A 123-lodine-MIBG Myocardial Scintigraphy Study. Arquivos Brasileiros De Cardiologia, 2016, 107, 455-459.	0.8	1
113	Lifestyle interventions reduce exercise ventilatory variability in healthy individuals: a randomized intervention study. Future Cardiology, 2020, 16, 439-446.	1.2	1
114	Beta-Adrenergic Receptor Polymorphisms in Susceptibility, Response to Treatment and Prognosis in Heart Failure. Journal of Cardiac Failure, 2011, 17, S32-S33.	1.7	0
115	Parasympathetic Stimulation in Acute Myocardial Infarction. JACC: Cardiovascular Interventions, 2017, 10, 2466.	2.9	0
116	Inflammatory and oxidative responses to disturbed blood flow in hypertensive men. Hypertension Research, 2019, 42, 1832-1835.	2.7	0
117	Interpreting the impact of water drinking on arterial baroreflex function: When physiology speaks for itself. Experimental Physiology, 2019, 104, 781-782.	2.0	0
118	Passado, presente e futuro: o que alcançamos, o que aprendemos, onde estamos e onde queremos chegar. Revista Brasileira De Medicina Do Esporte, 2007, 13, v-v.	0.2	0
119	Editorial: missão cumprida!. Revista Brasileira De Medicina Do Esporte, 2008, 14, 488-488.	0.2	0
120	Abnormal conduit artery shear rate patterns during mental stress in patients with cardiometabolic risk. FASEB Journal, 2012, 26, 876.4.	0.5	0
121	Effects of acute exercise on circulating endothelial progenitor cells and endothelial function in patients with increased cardiometabolic risk. FASEB Journal, 2012, 26, 1138.15.	0.5	0
122	Marcos Brazão: um Ãeone da medicina do exercÃeio e do esporte no Brasil. Revista Brasileira De Medicina Do Esporte, 2013, 19, 385-385.	0.2	0
123	Study Of The VO2 And Heart Rate Kinetics During Different Protocol To Accesses Cardiorespiratory Fitness In Taekwondo Athletes. Medicine and Science in Sports and Exercise, 2014, 46, 83.	0.4	0
124	Intrathecal Fentanyl Abolishes the Exaggerated Pressor Response to Cycling Exercise in Never†reated Hypertensive Men. FASEB Journal, 2015, 29, 827.5.	0.5	0
125	Exogenous Lâ€Arginine Restores Spontaneous Cardiac Baroreflex Sensitivity in Neverâ€Treated Hypertensive Men. FASEB Journal, 2015, 29, 652.6.	0.5	0
126	Sex difference in blood pressure response to orthostatic stress: effects of transcutaneous electrical nerve stimulation. Blood Pressure Monitoring, 0, Publish Ahead of Print, .	0.8	0