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Heart rate variability: standards of measurement, physiological interpretation and clinical use. Task Force of the European Society of Cardiology and the North American Society of Pacing and Electrophysiology

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#	Paper	IF	Citations
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2322	Heart rate variability as a measure of autonomic nervous system function in anorexia nervosa. <b>1997</b> , 20, 219-24		78
2321	Autonomic responses to orthostatic stress in head-up tilt testing: relationship to test-induced prolonged asystole. <b>1997</b> , 20, 233-8		2
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2318	Current clinical applications of heart rate variability. <b>1998</b> , 21, 719-24		66
2317	The impact of a new emotional self-management program on stress, emotions, heart rate variability, DHEA and cortisol. <b>1998</b> , 33, 151-70		109
2316	[Artificial bradycardias due to tape-running problems of old long-term ECG records]. <b>1998</b> , 23, 453-8		2
2315	Heart rate variability in patients with the first and recurrent myocardial infarction. <b>1998</b> , 8, 195-9		
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2312	Autonomic regulation of the circulation during exercise and heat exposure. Inferences from heart rate variability. <b>1998</b> , 26, 85-99		33
2311	Diastolic ventricular interaction in chronic heart failure: relation to heart rate variability and neurohumoral status. <b>1998</b> , 13, 269-77		11
2310	Assessment of cardiac sympathetic regulation by respiratory-related arterial pressure variability in the rat. <b>1999</b> , 515 ( Pt 3), 887-96		25
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2308	The effects of metoprolol and captopril on heart rate variability in patients with idiopathic dilated cardiomyopathy. <b>1999</b> , 22, 397-402		17

2307	Abnormal cardiac nerve function in syndrome X. <b>1999</b> , 24, 97-106	13
2306	The impact of an emotional self-management skills course on psychosocial functioning and autonomic recovery to stress in middle school children. <b>1999</b> , 34, 246-68	53
2305	Autonomic control of heart rate variability in vasovagal syncope: a study of the nighttime period in 24-hour recordings. <b>1999</b> , 9, 179-83	7
2304	Automatic measurement of long-term heart rate variability by implanted single-chamber devices. <b>1999</b> , 37, 585-94	11
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2302	Heart rate variability in healthy children and in those with congenital heart disease both before and after operation. <b>1999</b> , 83, 1654-7	44
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2300	Autonomic cardiovascular regulation in patients with obstructive sleep apnoea: a study based on spectral analysis of heart rate variability. <b>2000</b> , 20, 234-41	64
2299	Interobserver reproducibility of heart rate variability in children (the Bogalusa Heart Study). <b>2000</b> , 86, 1264-6, A9	11
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2297	Other primary prevention trials-what is clinically and economically necessary?. <b>2000</b> , 4 Suppl 1, 109-15	3
2296	Cardiac autonomic tone and its relation to nonsustained ventricular tachyarrhythmias in idiopathic dilated cardiomyopathy. <b>2000</b> , 23, 103-8	2
2295	Sympathetic nervous system function in fibromyalgia. <b>2000</b> , 2, 116-23	61
2294	Assessment of the primary effect of aging on heart rate variability in humans. <b>2000</b> , 10, 123-30	72
2293	Baroreceptor denervation presenting as part of a vagal mononeuropathy. <b>2000</b> , 10, 69-75	7
2292	Acetylsalicylic acid and autonomic modulation. <b>2000</b> , 10, 197-201	8
2291	Prader-Willi syndrome fails to alter cardiac autonomic modulation. <b>2000</b> , 10, 203-6	12
2290	[Not Available]. <b>2000</b> , 11 Suppl 1, 109-10	

2289	Evaluation of renormalised entropy for risk stratification using heart rate variability data. <b>2000</b> , 38, 680-5	27
2288	Effects of controlled breathing, mental activity and mental stress with or without verbalization on heart rate variability. <b>2000</b> , 35, 1462-9	332
2287	n-3 fatty acids and the risk of sudden cardiac death. <b>2001</b> , 36 Suppl, S115-8	12
2286	Time- and frequency-domain estimation of early diabetic cardiovascular autonomic neuropathy. <b>2001</b> , 11, 369-76	71
2285	Enhancement of heart rate variability by cholinergic stimulation with pyridostigmine in healthy subjects. <b>2001</b> , 11, 11-7	42
2284	Spectral and cross-spectral autoregressive analysis of cardiovascular variables in subjects with different degrees of orthostatic tolerance. <b>2001</b> , 11, 19-27	15
2283	Assessment of cardiovascular autonomic dysfunction in multiple system atrophy. <b>2001</b> , 11, 39-44	12
2282	Decreased sympathetic inhibition in gastroesophageal reflux disease. <b>2001</b> , 11, 45-51	20
2281	Heart rate variability in childhood obesity. <b>2001</b> , 11, 87-91	76
2280	Standardized tests of heart rate variability: normal ranges obtained from 309 healthy humans, and effects of age, gender, and heart rate. <b>2001</b> , 11, 99-108	210
2279	Role of endogenous adenosine in vasovagal syncope. <b>2001</b> , 11, 155-61	10
2278	Presence of a pet dog and human cardiovascular responses to mild mental stress. <b>2001</b> , 11, 313-7	37
2277	Influence of thoracic sympathectomy on cardiac induced oscillations in tissue blood volume. <b>2001</b> , 39, 579-83	32
2276	Reliability of transfer function estimates in cardiovascular variability analysis. <b>2001</b> , 39, 338-47	47
2275	Estimation and significance testing of cross-correlation between cerebral blood flow velocity and background electro-encephalograph activity in signals with missing samples. <b>2001</b> , 39, 428-33	18
2274	A placebo-controlled study examining the effect of allopurinol on heart rate variability and dysrhythmia counts in chronic heart failure. <b>2001</b> , 51, 329-34	11
2273	Autonomic origins of a nonsignal stimulus-elicited bradycardia and its habituation in humans. <b>2001</b> , 38, 540-7	21
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2271	Autonomic nervous system function in women with irritable bowel syndrome. <b>2001</b> , 46, 1276-84	93
2270	Power spectral analysis of heart rate variability in rats as a quantitative tool in the PK-PD analysis of the parasympatholytic activity of atropine. <b>2001</b> , 18, 1220-5	7
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2268	Prognostic value of heart rate variability in time domain analysis in congestive heart failure. <b>2001</b> , 5, 181-7	40
2267	Effect of beta-blockade on autonomic modulation of heart rate and neurohormonal profile in decompensated heart failure. <b>2001</b> , 6, 98-106	27
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2265	Effects of hormone replacement therapy on heart rate variability in postmenopausal women. <b>2001</b> , 6, 280-4	23
2264	Effects of menstrual cycle on cardiac autonomic innervation as assessed by heart rate variability. <b>2002</b> , 7, 60-3	100
2263	Baroreflex and oscillation of heart period at 0.1 Hz studied by alpha-blockade and cross-spectral analysis in healthy humans. <b>2001</b> , 531, 235-44	98
2262	Evaluation of long term cardiotoxicity after epirubicin containing adjuvant chemotherapy and locoregional radiotherapy for breast cancer using various detection techniques. <b>2002</b> , 88, 81-2	29
2261	Relation between QT and RR intervals is highly individual among healthy subjects: implications for heart rate correction of the QT interval. <b>2002</b> , 87, 220-8	328
2260	The pNNx files: re-examining a widely used heart rate variability measure. <b>2002</b> , 88, 378-80	162
2259	Increasing plasma potassium with amiloride shortens the QT interval and reduces ventricular extrasystoles but does not change endothelial function or heart rate variability in chronic heart failure. <b>2002</b> , 88, 475-80	32
2258	Prognostic implications of autonomic function assessed by analyses of catecholamines and heart rate variability in stable angina pectoris. <b>2002</b> , 87, 415-22	51
2257	In-vivo electrophysiological study in mice with chronic anterior myocardial infarction. <b>2002</b> , 6, 121-32	20
2256	Spectral analysis of R-R interval variability by short-term recording in anorexia nervosa. <b>2002</b> , 7, 239-43	44
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2253	Does singing promote well-being?: An empirical study of professional and amateur singers during a singing lesson. <b>2003</b> , 38, 65-74	139
2252	Comparison of heart rate variability analysis methods in patients with Parkinson's disease. <b>2002</b> , 40, 408-14	31
2251	Wavelet transform analysis of heart rate variability during myocardial ischaemia. <b>2002</b> , 40, 72-8	44
2250	Joint symbolic dynamic analysis of beat-to-beat interactions of heart rate and systolic blood pressure in normal pregnancy. <b>2002</b> , 40, 241-5	92
2249	Heart rate variability and cardiovascular mortality. <b>2002</b> , 4, 120-7	75
2248	The effects of St John's wort extract on heart rate variability, cognitive function and quantitative EEG: a comparison with amitriptyline and placebo in healthy men. <b>2002</b> , 54, 277-82	30
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2245	Effect of the final coronary arterial diameter after coronary angioplasty on heart rate variability responses. <b>2002</b> , 7, 106-13	10
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2240	Cardiovascular autonomic function in conscious rats: a novel approach to facilitate stationary conditions. <b>2002</b> , 7, 307-18	35
2239	Heart rate variability by triangular index in infants exposed prenatally to cocaine. <b>2002</b> , 7, 374-8	4
2238	Cardiac effects of chronic oral beta-blockade: lack of agreement between heart rate and QT interval changes. <b>2002</b> , 7, 379-88	13
2237	Paradoxical autonomic response to mental tasks in autism. <b>2003</b> , 33, 417-26	88
2236	Increased tidal volume variability in children is a better marker of opioid-induced respiratory depression than decreased respiratory rate. <b>2004</b> , 18, 171-8	22

2235	Affects and autonomic cardiac reactivity during experimentally induced stress as related to precursors of insulin resistance syndrome. <b>2003</b> , 10, 106-24	4
2234	I-123 MIBG imaging and heart rate variability analysis to predict the need for an implantable cardioverter defibrillator. <b>2003</b> , 10, 121-31	124
2233	The Bezold-Jarisch reflex in acute inferior myocardial infarction: clinical and sympathovagal spectral correlates. <b>2003</b> , 26, 323-8	16
2232	Predictive value of heart rate variability for the recurrence of chronic atrial fibrillation after electrical cardioversion. <b>2003</b> , 26, 196-200	17
2231	Measures of cardiovascular autonomic nervous function: agreement, reproducibility, and reference values in middle age and elderly subjects. <b>2003</b> , 46, 330-8	67
2230	Multi- and monofractal indices of short-term heart rate variability. <b>2003</b> , 41, 543-9	14
2229	Ventricular arrhythmias and autonomic profile in patients with primary pulmonary hypertension. <b>2003</b> , 181, 321-8	52
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2227	Effects of dynamic resistance training on heart rate variability in healthy older women. <b>2003</b> , 89, 85-9	24
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2225	Heart rate variability and autonomic activity at rest and during exercise in various physiological conditions. <b>2003</b> , 90, 317-25	290
2224	Beat-to-beat blood pressure variability and patent ductus arteriosus in ventilated, premature infants. <b>2003</b> , 446, 154-60	9
2223	Autonomic dysfunction in uremia assessed by heart rate variability. <b>2003</b> , 18, 1167-71	13
2222	Is there evidence of fetal-maternal heart rate synchronization?. <b>2003</b> , 3, 2	45
2221	Sympathetic nervous system activity and ventricular tachyarrhythmias: recent advances. <b>2003</b> , 8, 75-89	33
2220	Heart rate variability declines with increasing age and CTG repeat length in patients with myotonic dystrophy type 1. <b>2003</b> , 8, 227-32	23
2219	Heart rate variability: short-term studies are as useful as holter to differentiate diabetic patients from healthy subjects. <b>2003</b> , 8, 313-20	20
2218	A framework for understanding the training process leading to elite performance. <b>2003</b> , 33, 1103-26	204

2217	Heart rate variability in athletes. <b>2003</b> , 33, 889-919	418
2216	Effect of endurance exercise on autonomic control of heart rate. <b>2003</b> , 33, 33-46	280
2215	Do antiepileptic drugs play a role in sudden unexpected death in epilepsy?. <b>2003</b> , 26, 673-83	49
2214	Heart rate variability in children with hypertrophic cardiomyopathy. <b>2003</b> , 89, 205-6	13
2213	An unexpected requirement for brain-type sodium channels for control of heart rate in the mouse sinoatrial node. <b>2003</b> , 100, 3507-12	166
2212	Personal exposure to submicrometer particles and heart rate variability in human subjects. <b>2004</b> , 112, 1063-7	86
2211	Sudden unexpected death in heart failure may be preceded by short term, intraindividual increases in inflammation and in autonomic dysfunction: a pilot study. <b>2004</b> , 90, 1263-8	30
2210	Altered short term heart rate variability with spinal cord stimulation in chronic refractory angina: evidence for the presence of procedure related cardiac sympathetic blockade. <b>2004</b> , 90, 211-2	15
2209	Autonomic changes in patients with heart failure and in post-myocardial infarction patients. <b>2004</b> , 90, 1248-55	77
2208	Effects of spironolactone on endothelial function, vascular angiotensin converting enzyme activity, and other prognostic markers in patients with mild heart failure already taking optimal treatment. <b>2004</b> , 90, 765-70	111
2207	Fellowship training, workload, fatigue and physical stress: a prospective observational study. <b>2004</b> , 170, 965-70	74
2206	Comparison of once-daily nifedipine controlled-release with twice-daily nifedipine retard in the treatment of essential hypertension. <b>2004</b> , 57, 632-9	15
2205	The relationship between plasma endothelin-1, nitric oxide levels, and heart rate variability in patients with coronary slow flow. <b>2004</b> , 9, 24-33	19
2204	Short-period heart rate variability in the general population as compared to patients with acute myocardial infarction from the same source population. <b>2004</b> , 9, 113-20	14
2203	Is baseline autonomic tone associated with new onset atrial fibrillation?: Insights from the framingham heart study. <b>2004</b> , 9, 215-20	15
2202	Sildenafil citrate does not alter ventricular repolarization properties: novel evidence from dynamic QT analysis. <b>2004</b> , 9, 228-33	5
2201	Sympathetic overactivity in patients with rheumatic mitral stenosis. <b>2004</b> , 9, 352-7	7
2200	Covariates of corticotropin-releasing hormone (CRH) concentrations in cerebrospinal fluid (CSF) from healthy humans. <b>2004</b> , 5, 58	4



2199	Heart rate variability and outcome in acute severe stroke: role of power spectral analysis. <b>2004</b> , 1, 347-53	45
2198	Beneficial effect of candesartan treatment on cardiac autonomic nervous activity in patients with chronic heart failure: simultaneous recording of ambulatory electrocardiogram and posture. <b>2004</b> , 27, 300-3	5
2197	Effect of different vibration frequencies on heart rate variability and driving fatigue in healthy drivers. <b>2004</b> , 77, 205-12	65
2196	Quantitative Poincaré plot analysis of heart rate variability: effect of endurance training. <b>2004</b> , 91, 79-87	131
2195	Heart rate variability during cycloergometric exercise or judo wrestling eliciting the same heart rate level. <b>2004</b> , 91, 177-84	20
2194	The effect of mental stress on heart rate variability and blood pressure during computer work. <b>2004</b> , 92, 84-9	490
2193	Reproducibility of the heart rate variability responses to graded lower body negative pressure. <b>2004</b> , 92, 106-13	21
2192	Heart rate dynamics after controlled training followed by a home-based exercise program. <b>2004</b> , 92, 289-97	27
2191	Short- and long-term effects of a single bout of exercise on heart rate variability: comparison between constant and interval training exercises. <b>2004</b> , 92, 508-17	78
2190	[Does central vagus tone play a decisive role in myocardial ischemia?]. <b>2004</b> , 93, 765-7	
2189	On the genesis of myocardial ischemia. <b>2004</b> , 93, 768-83	19
2188	Cerebral autoregulation improves in epilepsy patients after temporal lobe surgery. <b>2004</b> , 251, 1190-7	19
2187	Autonomic nervous system activity in normotensive subjects with a family history of hypertension. <b>2004</b> , 14, 369-75	23
2186	Birth prematurity determines prolonged autonomic nervous system immaturity. <b>2004</b> , 14, 391-5	66
2185	Sympathetically induced spontaneous fluctuations of the photoplethysmographic signal. <b>2004</b> , 42, 80-5	32
2184	[The clinical value of Holter ECG recording]. <b>2004</b> , 45, 1035-41; quiz 141-2	1
2183	[Influence of circadian rhythms on cardiovascular function]. <b>2004</b> , 45, 994-1005	2
2182	Short-term postural reflexes in diabetic patients with autonomic dysfunction. <b>2004</b> , 47, 304-11	11

2181	Spironolactone impairs endothelial function and heart rate variability in patients with type 2 diabetes. <b>2004</b> , 47, 1687-94	89
2180	Heart rate variability in patients with rheumatoid arthritis. <b>2004</b> , 24, 198-202	109
2179	Effect of imipramine on linear and nonlinear measures of heart rate variability in children. <b>2004</b> , 25, 20-5	19
2178	Heart rate variability in children with Fontan circulation. <b>2004</b> , 25, 365-9	11
2177	Cardiac resynchronization therapy--how big of a miracle?. <b>2004</b> , 1, 30-5	
2176	Fibromyalgia as a sympathetically maintained pain syndrome. <b>2004</b> , 8, 385-9	80
2175	Heart rate variability and short duration spaceflight: relationship to post-flight orthostatic intolerance. <b>2004</b> , 4, 6	16
2174	Physical and psychological factors influencing heart rate variability in anorexia nervosa. <b>2004</b> , 9, 296-9	12
2173	Complex systems and the technology of variability analysis. <b>2004</b> , 8, R367-84	266
2172	Perfiles circadianos de la frecuencia cardíaca y de su variabilidad instantánea en una población de pacientes con infección chagásica crónica. <b>2004</b> , 57, 130-137	2
2171	Circadian Profiles of Heart Rate and its Instantaneous Variability in Patients With Chronic Chagas' Disease. <b>2004</b> , 57, 130-137	4
2170	A quantitative comparison of different methods to detect cardiorespiratory coordination during night-time sleep. <b>2004</b> , 3, 44	41
2169	Reduced heart rate volatility: an early predictor of death in trauma patients. <b>2004</b> , 240, 547-54; discussion 554-6	39
2168	A greater reduction in high-frequency heart rate variability to a psychological stressor is associated with subclinical coronary and aortic calcification in postmenopausal women. <b>2005</b> , 67, 553-60	52
2167	Depression and heart rate variability in patients with stable coronary heart disease: findings from the Heart and Soul Study. <b>2005</b> , 62, 661-6	99
2166	Scaling and wavelet-based analyses of the long-term heart rate variability of the Eastern Oyster. <b>2005</b> , 349, 291-301	4
2165	Markers of inflammation in acute coronary syndromes: association with increased heart rate and reductions in heart rate variability. <b>2005</b> , 28, 570-6	39
2164	QT dispersion and heart rate variability abnormalities in Alzheimer's disease and in mild cognitive impairment. <b>2005</b> , 53, 2135-9	64

2163	The influence of small fibre muscle mechanoreceptors on the cardiac vagus in humans. <b>2005</b> , 567, 713-21	65
2162	Human vagal baroreflex sensitivity fluctuates widely and rhythmically at very low frequencies. <b>2005</b> , 567, 1011-9	30
2161	Effects of two protocols of intermittent hypoxia on human ventilatory, cardiovascular and cerebral responses to hypoxia. <b>2005</b> , 567, 689-99	73
2160	Heart rate variability in patients with essential hyperhidrosis: dynamic influence of sympathetic and parasympathetic maneuvers. <b>2005</b> , 10, 1-6	23
2159	Abnormalities of ventricular repolarization in mitral valve prolapse. <b>2005</b> , 10, 297-304	23
2158	Cigarette smoking and heart rate variability: dynamic influence of parasympathetic and sympathetic maneuvers. <b>2005</b> , 10, 324-9	100
2157	Accelerated idioventricular rhythm in the post-thrombolytic era: incidence, prognostic implications, and modulating mechanisms after direct percutaneous coronary intervention. <b>2005</b> , 10, 179-87	18
2156	Heart rate variability: measurement and clinical utility. <b>2005</b> , 10, 88-101	661
2155	Relation of anemia to low heart rate variability in patients with coronary heart disease (from the Heart and Soul study). <b>2005</b> , 95, 1474-7	22
2154	Analysis of rapid heart rate variability in the assessment of anticholinergic drug effects in humans. <b>2005</b> , 61, 559-65	26
2153	Effects of gender and aerobic fitness on cardiac autonomic responses to head-up tilt in healthy adolescents. <b>2005</b> , 26, 418-24	14
2152	Left ventricular end-diastolic volume is decreased at maximal exercise in athletes with marked repolarisation abnormalities: a continuous radionuclide monitoring study. <b>2005</b> , 32, 203-10	4
2151	[Methods of quantitative evaluation of the autonomic nerve system]. <b>2005</b> , 76, 767-78; quiz 779-80	8
2150	Disparity of autonomic control in type 2 diabetes mellitus. <b>2005</b> , 48, 172-9	42
2149	The effect of insulin on cardiac autonomic balance predicts weight reduction after gastric bypass. <b>2005</b> , 48, 1258-63	7
2148	Increased accumulation of skin advanced glycation end-products precedes and correlates with clinical manifestation of diabetic neuropathy. <b>2005</b> , 48, 1637-44	135
2147	Sleep-related vagotonic effect of zolpidem in rats. <b>2005</b> , 181, 270-9	14
2146	A bond graph model of the cardiovascular system. <b>2005</b> , 53, 295-312	21

2145	Influence of obstructive sleep apnea on heart rate turbulence. <b>2005</b> , 100, 439-45	24
2144	The association between blood metal concentrations and heart rate variability: a cross-sectional study. <b>2005</b> , 78, 243-7	18
2143	Effects of shift work on QTc interval and blood pressure in relation to heart rate variability. <b>2005</b> , 78, 287-92	23
2142	Effects of time pressure and precision demands during computer mouse work on muscle oxygenation and position sense. <b>2005</b> , 94, 97-106	33
2141	Hypergravity exercise against bed rest induced changes in cardiac autonomic control. <b>2005</b> , 94, 285-91	32
2140	Spectral characteristics of heart rate fluctuations during parabolic flight. <b>2005</b> , 95, 557-68	17
2139	Effects of acupuncture on heart rate variability in normal subjects under fatigue and non-fatigue state. <b>2005</b> , 94, 633-40	110
2138	Age-associated alteration of sympatho-vagal balance in a female population assessed through the tone-entropy analysis. <b>2005</b> , 94, 602-10	20
2137	Cardiorespiratory synchronization during Zen meditation. <b>2005</b> , 95, 88-95	101
2136	Impaired vagal modulation of heart rate in individuals with Down syndrome. <b>2005</b> , 15, 45-50	56
2135	Cross-spectral analysis of cardiovascular variables in supine diabetic patients. <b>2005</b> , 15, 92-8	8
2134	Interval training in elderly men increases both heart rate variability and baroreflex activity. <b>2005</b> , 15, 107-15	64
2133	Age, body mass index, and menstrual cycle influence young women's heart rate variability --a multivariable analysis. <b>2005</b> , 15, 292-8	63
2132	Circadian periodicity of heart rate variability in hospitalized angor patients. <b>2005</b> , 15, 223-32	12
2131	The effect of hormone replacement therapy cessation on heart rate variability in postmenopausal women. <b>2005</b> , 15, 411-3	4
2130	Influence of gestational age, heart rate, gender and time of day on fetal heart rate variability. <b>2005</b> , 43, 481-6	74
2129	Forecasting epilepsy from the heart rate signal. <b>2005</b> , 43, 230-9	50
2128	Right-left correlation of the sympathetically induced fluctuations of photoplethysmographic signal in diabetic and non-diabetic subjects. <b>2005</b> , 43, 252-7	33

2127	Autonomic activity, pain, and perceived health in patients on sick leave due to stress-related illnesses. <b>2005</b> , 40, 3-16	20
2126	Gender and communal trait differences in the relations among social behaviour, affect arousal, and cardiac autonomic control. <b>2005</b> , 28, 267-79	16
2125	Autonomic effects of spironolactone and MR blockers in heart failure. <b>2005</b> , 10, 63-9	6
2124	Heart rate variability: does it change after RF ablation of reentrant supraventricular tachycardia?. <b>2005</b> , 14, 147-51	4
2123	Heart rate variability in non-apneic snorers and controls before and after continuous positive airway pressure. <b>2005</b> , 5, 9	11
2122	Circadian rhythm of autonomic activity in non diabetic offsprings of type 2 diabetic patients. <b>2005</b> , 4, 15	26
2121	Gait variability: methods, modeling and meaning. <b>2005</b> , 2, 19	505
2120	Potential role of ultrafine particles in associations between airborne particle mass and cardiovascular health. <b>2005</b> , 113, 934-46	654
2119	Effects of particle size fractions on reducing heart rate variability in cardiac and hypertensive patients. <b>2005</b> , 113, 1693-7	80
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1808	Influence of cold water face immersion on post-exercise parasympathetic reactivation. <b>2010</b> , 108, 599-606	23
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1781	Analysis of the mobile phone effect on the heart rate variability by using the largest Lyapunov exponent. <b>2010</b> , 34, 1097-103		7
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1774	The impact of stress on surgical performance: a systematic review of the literature. <b>2010</b> , 147, 318-30, 330.e1-6		347
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1765	Testing an exercise intervention to improve aerobic conditioning and autonomic function after an implantable cardioverter defibrillator (ICD). <b>2010</b> , 33, 973-80	9
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1763	Influence of age on linear and nonlinear measures of autonomic cardiovascular modulation. <b>2010</b> , 15, 165-74	36
1762	The difference of heart rate recovery between males with and without erectile dysfunction. <b>2010</b> , 15, 223-9	8
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1758	Autonomic control of heart rate by metabolically sensitive skeletal muscle afferents in humans. <b>2010</b> , 588, 1117-27	86
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1755	Heart rate control with adrenergic blockade: clinical outcomes in cardiovascular medicine. <b>2010</b> , 6, 387-97	12
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1753	Central sleep apnea indicates autonomic dysfunction in asymptomatic carotid stenosis: a potential marker of cerebrovascular and cardiovascular risk. <b>2010</b> , 33, 327-33	18
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1748	Platelet serotonin transporter function and heart rate variability in patients with panic disorder. <b>2010</b> , 25, 613-8	14
1747	Impact of the human circadian system, exercise, and their interaction on cardiovascular function. <b>2010</b> , 107, 20541-6	185
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1736	Sickle cell disease: selected aspects of pathophysiology. <b>2010</b> , 44, 155-66	35
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1728	Effects of oral and intravenous fat load on blood pressure, endothelial function, sympathetic activity, and oxidative stress in obese healthy subjects. <b>2010</b> , 299, E953-8	33
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1725	Chromogranin a and the autonomic system: decomposition of heart rate variability and rescue by its catestatin fragment. <b>2010</b> , 151, 2760-8	31
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1723	Cardiac autonomic neuropathy in diabetes: a clinical perspective. <b>2010</b> , 33, 434-41	326
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1719	A new method to assess ventricular wall stress in patients with heart failure and its relation to heart rate variability. <b>2010</b> , 139, 301-3	21
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1717	Association of body fat percentage and heart rate variability measures of sympathovagal balance. <b>2010</b> , 86, 153-7	22
1716	Cardiac dysfunction and hypothalamic activation during a social crowding stressor in prairie voles. <b>2010</b> , 156, 44-50	25
1715	Top-down and bottom-up mechanisms in mind-body medicine: development of an integrative framework for psychophysiological research. <b>2010</b> , 6, 29-41	144
1714	Sleep-disordered breathing and cardiac autonomic modulation in children. <b>2010</b> , 11, 484-8	46

1713	Psychophysiological reactivity to emotional picture cues two years after college students were mandated for alcohol interventions. <b>2010</b> , 35, 786-90	15
1712	Power spectrum scale invariance quantifies limbic dysregulation in trait anxious adults using fMRI: adapting methods optimized for characterizing autonomic dysregulation to neural dynamic time series. <b>2010</b> , 50, 72-80	50
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1709	Cardio-pulmonary fitness test by ultra-short heart rate variability. <b>2011</b> , 2, 233-6	6
1708	Heart rate variability during two sequential mountaineering expeditions. <b>2011</b> , 9, 165-8	1
1707	Heart rate variability study of childhood anxiety disorders. <b>2011</b> , 2, 115-22	31
1706	Sensitivity to mental effort and test-retest reliability of heart rate variability measures in healthy seniors. <b>2011</b> , 122, 2059-66	67
1705	Adiposity, leptin and stress reactivity in humans. <b>2011</b> , 86, 114-20	44
1704	Systemic inflammation and circadian rhythm of cardiac autonomic modulation. <b>2011</b> , 162, 72-6	9
1703	Methods for ECG evaluation of indicators of cardiac risk, and susceptibility to aconitine-induced arrhythmias in rats following status epilepticus. <b>2011</b> ,	
1702	Sex differences in the neural correlates of autonomic arousal: a pilot PET study. <b>2011</b> , 80, 182-91	52
1701	Linkages between anxiety and outcomes in heart failure. <b>2011</b> , 40, 393-404	43
1700	The role of salivary cortisol and DHEA-S in response to sexual, humorous, and anxiety-inducing stimuli. <b>2011</b> , 59, 765-71	30
1699	Neuropathy in prediabetes: does the clock start ticking early?. <b>2011</b> , 7, 682-90	134
1698	Autonomic nervous system reactivity to positive and negative mood induction: the role of acute psychological responses and frontal electrocortical activity. <b>2011</b> , 86, 230-8	100
1697	Autonomic contribution to endothelin-1 increase during laboratory anger-recall stress in patients with coronary artery disease. <b>2011</b> , 17, 495-501	16
1696	Sympathovagal Imbalance in Prehypertensive Offspring of Two Parents versus One Parent Hypertensive. <b>2011</b> , 2011, 263170	13

1695	Vagal withdrawal and sympathetic overactivity contribute to the genesis of early-onset pregnancy-induced hypertension. <b>2011</b> , 2011, 361417		10
1694	Fractal correlation property of heart rate variability in chronic obstructive pulmonary disease. <b>2011</b> , 6, 23-8		38
1693	Traffic-related air pollution and acute changes in heart rate variability and respiratory function in urban cyclists. <b>2011</b> , 119, 1373-8		157
1692	Sleep-wake behavior in chronic fatigue syndrome. <b>2011</b> , 34, 671-8		42
1691	Metabolic energy correlates of heart rate variability spectral power associated with a 900-calorie challenge. <b>2011</b> , 2011, 715361		10
1690	Evaluation of Heart Rate Variation Analysis during Rest and Tilting in Patients with Temporal Lobe Epilepsy. <b>2011</b> , 2011, 829365		6
1689	Increased non-gaussianity of heart rate variability predicts cardiac mortality after an acute myocardial infarction. <i>Frontiers in Physiology</i> , <b>2011</b> , 2, 65	4.6	36
1688	Anger, emotion, and arrhythmias: from brain to heart. <i>Frontiers in Physiology</i> , <b>2011</b> , 2, 67	4.6	74
1687	Heart rate variability and non-linear dynamics in risk stratification. <i>Frontiers in Physiology</i> , <b>2011</b> , 2, 81	4.6	29
1686	Heart Rate Variability during Simulated Hemorrhage with Lower Body Negative Pressure in High and Low Tolerant Subjects. <i>Frontiers in Physiology</i> , <b>2011</b> , 2, 85	4.6	26
1685	Heart rate variability - a historical perspective. <i>Frontiers in Physiology</i> , <b>2011</b> , 2, 86	4.6	370
1684	Cardiovascular and autonomic responses after exercise sessions with different intensities and durations. <b>2011</b> , 66, 453-8		34
1683	Cardiac autonomic modulation during progressive upper limb exercise by patients with coronary artery disease. <b>2011</b> , 44, 1276-84		8
1682	Heart rate variability dynamics for the prognosis of cardiovascular risk. <i>PLoS ONE</i> , <b>2011</b> , 6, e17060	3.7	32
1681	Growth factor-induced mobilization of cardiac progenitor cells reduces the risk of arrhythmias, in a rat model of chronic myocardial infarction. <i>PLoS ONE</i> , <b>2011</b> , 6, e17750	3.7	26
1680	The prognostic value of non-linear analysis of heart rate variability in patients with congestive heart failure--a pilot study of multiscale entropy. <i>PLoS ONE</i> , <b>2011</b> , 6, e18699	3.7	72
1679	Short-term complexity of cardiac autonomic control during sleep: REM as a potential risk factor for cardiovascular system in aging. <i>PLoS ONE</i> , <b>2011</b> , 6, e19002	3.7	49
1678	Autonomic modulation and health-related quality of life among schizophrenic patients treated with non-intensive case management. <i>PLoS ONE</i> , <b>2011</b> , 6, e26378	3.7	16

1677	The redistribution of power: neurocardiac signaling, alcohol and gender. <i>PLoS ONE</i> , <b>2011</b> , 6, e28281	3.7	18
1676	24-hour autonomic dysfunction and depressive behaviors in an animal model of social isolation: implications for the study of depression and cardiovascular disease. <b>2011</b> , 73, 59-66		39
1675	Static and dynamic autonomic response with increasing nausea perception. <b>2011</b> , 82, 424-33		22
1674	Heart rate variability in menopausal hot flashes during sleep. <b>2011</b> , 18, 897-900		24
1673	Baroreflex sensitivity is higher during acute psychological stress in healthy subjects under $\beta$ adrenergic blockade. <b>2011</b> , 120, 161-7		8
1672	The 2 Hz and 15 Hz electroacupuncture induced reverse effect on autonomic function in healthy adult using a heart rate variability analysis. <b>2011</b> , 1, 51-6		6
1671	Origin of heart rate variability and turbulence: an appraisal of autonomic modulation of cardiovascular function. <i>Frontiers in Physiology</i> , <b>2011</b> , 2, 95	4.6	79
1670	Effect of maturation on hemodynamic and autonomic control recovery following maximal running exercise in highly trained young soccer players. <i>Frontiers in Physiology</i> , <b>2011</b> , 2, 69	4.6	24
1669	Modeling autonomic regulation of cardiac function and heart rate variability in human endotoxemia. <b>2011</b> , 43, 951-64		46
1668	Frequency of pain crises in sickle cell anemia and its relationship with the sympatho-vagal balance, blood viscosity and inflammation. <b>2011</b> , 96, 1589-94		73
1667	The pulse of inflammation: heart rate variability, the cholinergic anti-inflammatory pathway and implications for therapy. <b>2011</b> , 269, 45-53		208
1666	Resonances in the cardiovascular system caused by rhythmical muscle tension. <b>2011</b> , 48, 927-36		26
1665	The efficiency of 10-second resting heart rate for the evaluation of short-term heart rate variability indices. <b>2011</b> , 34, 1498-502		15
1664	T-wave amplitude variability and the risk of death in Chagas disease. <b>2011</b> , 22, 799-805		25
1663	Electrocardiographic changes in workers occupationally exposed to lead. <b>2011</b> , 16, 33-40		12
1662	Reliability of Ultra-Short ECG Indices for Heart Rate Variability. <b>2011</b> , 16, 117-22		123
1661	Effects of postectopic heart rate turbulence on measures of heart rate variability in patients after an acute myocardial infarction. <b>2011</b> , 16, 123-30		1
1660	Importance of tachogram length and period of recording during noninvasive investigation of the autonomic nervous system. <b>2011</b> , 16, 131-9		23

1659	T-wave alternans and heart rate variability: a comparison in patients with myocardial infarction with or without diabetes mellitus. <b>2011</b> , 16, 232-8	5
1658	Determinants of a reduced heart rate variability in chronic atrial fibrillation. <b>2011</b> , 16, 321-6	9
1657	Assessment of cardiac autonomic regulation. <b>2011</b> , 16, 319-20	1
1656	Arterial pressure oscillations are not associated with muscle sympathetic nerve activity in individuals exposed to central hypovolaemia. <b>2011</b> , 589, 5311-22	23
1655	Effect of muscle metaboreflex activation on spontaneous cardiac baroreflex sensitivity during exercise in humans. <b>2011</b> , 589, 6157-71	25
1654	Individual-level PM <sub>2.5</sub> exposure and the time course of impaired heart rate variability: the APACR Study. <b>2011</b> , 21, 65-73	55
1653	Hydrocortisone at stress-associated concentrations helps maintain human heart rate variability during subsequent endotoxin challenge. <b>2011</b> , 26, 636.e1-5	10
1652	Frequency domain assessment of the coupling strength between ventricular repolarization duration and heart period during graded head-up tilt. <b>2011</b> , 44, 662-8	31
1651	Sympathetic and parasympathetic activity in cancer-related fatigue: more evidence for a physiological substrate in cancer survivors. <b>2011</b> , 36, 1137-47	101
1650	Heart rate variability during motor and cognitive tasks in females with major depressive disorder. <b>2011</b> , 191, 1-8	41
1649	International Study to Predict Optimized Treatment for Depression (iSPOT-D), a randomized clinical trial: rationale and protocol. <b>2011</b> , 12, 4	126
1648	Obesity is associated with impaired cardiac autonomic modulation in children. <b>2011</b> , 6, 128-34	56
1647	Paris Prospective Study III: a study of novel heart rate parameters, baroreflex sensitivity and risk of sudden death. <b>2011</b> , 26, 887-92	37
1646	Methods of assessing vagus nerve activity and reflexes. <b>2011</b> , 16, 109-27	100
1645	Pharmacologic modulation of parasympathetic activity in heart failure. <b>2011</b> , 16, 179-93	30
1644	Mood and transient cardiac dysfunction in everyday life. <b>2011</b> , 34, 74-81	6
1643	Impact of central hypovolemia on photoplethysmographic waveform parameters in healthy volunteers. Part 1: time domain analysis. <b>2011</b> , 25, 377-85	15
1642	The perception of work stressors is related to reduced parasympathetic activity. <b>2011</b> , 84, 185-91	52

1641	Eye-lens accommodation load and static trapezius muscle activity. <b>2011</b> , 111, 29-36	21
1640	The incidence of stress symptoms and heart rate variability during sleep and orthostatic test. <b>2011</b> , 111, 733-41	38
1639	Hyperoxia-induced alterations in cardiovascular function and autonomic control during return to normoxic breathing. <b>2011</b> , 111, 937-46	39
1638	Instantaneous changes in heart rate regulation due to mental load in simulated office work. <b>2011</b> , 111, 1497-505	98
1637	Post-concurrent exercise hemodynamics and cardiac autonomic modulation. <b>2011</b> , 111, 2069-78	101
1636	Effects of static contraction and cold stimulation on cardiovascular autonomic indices, trapezius blood flow and muscle activity in chronic neck-shoulder pain. <b>2011</b> , 111, 1725-35	26
1635	The use of pupillometry in the assessment of cardiac autonomic function in elite different type trained athletes. <b>2011</b> , 111, 2079-87	25
1634	Heart rate variability and biomarkers of systemic inflammation in patients with stable coronary heart disease: findings from the Heart and Soul Study. <b>2011</b> , 100, 241-7	46
1633	Autonomic regulation during mild therapeutic hypothermia in cardiopulmonary resuscitated patients. <b>2011</b> , 100, 797-805	7
1632	Response of nasal airway and heart rate variability to controlled nasal breathing. <b>2011</b> , 268, 547-53	6
1631	Normal autonomic nervous system responses in uncomplicated familial Mediterranean fever: a comparative case-control study. <b>2011</b> , 30, 1347-51	3
1630	Changes in autonomic balance in patients with decompensated chronic heart failure. <b>2011</b> , 21, 47-54	25
1629	Orthostatic tolerance is difficult to predict in recurrent syncope patients. <b>2011</b> , 21, 37-45	4
1628	Effects of exercise training on arterial-cardiac baroreflex function in POTS. <b>2011</b> , 21, 73-80	37
1627	Relation of heart rate recovery to heart rate variability in persons with paraplegia. <b>2011</b> , 21, 111-6	4
1626	The circadian pattern of cardiac autonomic modulation in a middle-aged population. <b>2011</b> , 21, 143-50	35
1625	Link between heart rate and blood pressure Mayer wave during general anesthesia. <b>2011</b> , 21, 309-17	47
1624	Impaired autonomic function in normotensive obese children. <b>2011</b> , 21, 319-23	26



1623	Oscillatory vagal maneuvers produce ventricular entrainment in patients with atrial fibrillation. <b>2011</b> , 21, 325-32		
1622	Dynamic assessment of baroreflex control of heart rate during induction of propofol anesthesia using a point process method. <b>2011</b> , 39, 260-76		40
1621	Heart rate variability in familial Mediterranean fever. <b>2011</b> , 31, 39-43		22
1620	Cardiac autonomic functions derived from short-term heart rate variability recordings associated with heart rate recovery after treadmill exercise test in young individuals. <b>2011</b> , 26, 282-8		27
1619	Impact of shock wave lithotripsy on heart rate variability in patients with urolithiasis. <b>2011</b> , 39, 135-40		1
1618	Central fat influences cardiac autonomic function in obese and overweight girls. <b>2011</b> , 32, 924-8		33
1617	Effect of pseudoephedrine on cardiac rhythm of children with rhinitis. <b>2011</b> , 78, 1361-4		3
1616	Frequency components of systolic blood pressure variability reflect vasomotor and cardiac sympathetic functions in conscious rats. <b>2011</b> , 61, 373-83		15
1615	Multivariate short-term heart rate variability: a pre-diagnostic tool for screening heart disease. <b>2011</b> , 49, 41-50		22
1614	Asymmetric properties of long-term and total heart rate variability. <b>2011</b> , 49, 1289-97		38
1613	Multidisciplinary assessment of tako tsubo cardiomyopathy: a prospective case study. <i>BMC Cardiovascular Disorders</i> , <b>2011</b> , 11, 14	2.3	16
1612	Cognitive and autonomic dysfunction measures in normal controls, white coat and borderline hypertension. <i>BMC Cardiovascular Disorders</i> , <b>2011</b> , 11, 3	2.3	19
1611	Association between frequency domain heart rate variability and unplanned readmission to hospital in geriatric patients. <i>BMC Public Health</i> , <b>2011</b> , 11, 137	4.1	3
1610	Non-verbal communication of compassion: measuring psychophysiological effects. <b>2011</b> , 11, 132		14
1609	Relationship of autonomic imbalance and circadian disruption with obesity and type 2 diabetes in resistant hypertensive patients. <b>2011</b> , 10, 24		38
1608	Sensitivity of temporal heart rate variability in Poincaré plot to changes in parasympathetic nervous system activity. <b>2011</b> , 10, 17		33
1607	Comparison of two systems for long-term heart rate variability monitoring in free-living conditions--a pilot study. <b>2011</b> , 10, 27		50
1606	Analysis of coronary angiography related psychophysiological responses. <b>2011</b> , 10, 71		6

1605	Review and classification of variability analysis techniques with clinical applications. <b>2011</b> , 10, 90	150
1604	Should global burden of disease estimates include depression as a risk factor for coronary heart disease?. <b>2011</b> , 9, 47	50
1603	Exercise prior to a freely requested meal modifies pre and postprandial glucose profile, substrate oxidation and sympathovagal balance. <b>2011</b> , 8, 66	14
1602	Mental fatigue caused by prolonged cognitive load associated with sympathetic hyperactivity. <b>2011</b> , 7, 17	109
1601	Time and frequency domain analysis of heart rate variability in cattle affected by bovine spongiform encephalopathy. <b>2011</b> , 4, 259	14
1600	Heart rate variability analysis in sheep affected by transmissible spongiform encephalopathies. <b>2011</b> , 4, 539	5
1599	Evidence for autonomic nervous system dysfunction in females with idiopathic overactive bladder syndrome. <b>2011</b> , 30, 1467-72	28
1598	Impact of continuous intraoperative neuromonitoring on autonomic nervous system during thyroid surgery. <b>2011</b> , 33, 976-84	36
1597	Mathematical model-based markers of autonomic nervous activity during the Valsalva Maneuver and comparison to heart rate variability. <b>2011</b> , 6, 251-260	3
1596	Treatment of obstructive sleep apnea improves cardiometabolic function in young obese women with polycystic ovary syndrome. <b>2011</b> , 96, 365-74	80
1595	Substitution of standard soybean oil with olive oil-based lipid emulsion in parenteral nutrition: comparison of vascular, metabolic, and inflammatory effects. <b>2011</b> , 96, 3207-16	43
1594	Omega-3 polyunsaturated Fatty acids and heart rate variability. <i>Frontiers in Physiology</i> , <b>2011</b> , 2, 84	4.6 47
1593	Hydration state controls stress responsiveness and social behavior. <b>2011</b> , 31, 5470-6	62
1592	An exploratory investigation of some statistical summaries of oximeter oxygen saturation data from preterm babies. <b>2011</b> , 2011, 296418	3
1591	Reflex and tonic autonomic markers for risk stratification in patients with type 2 diabetes surviving acute myocardial infarction. <b>2011</b> , 34, 1833-7	34
1590	Cardiovagal autonomic function in HIV-infected patients with unsuppressed HIV viremia. <b>2011</b> , 12, 141-50	23
1589	Ambient temperature, air pollution, and heart rate variability in an aging population. <b>2011</b> , 173, 1013-21	91
1588	Functional mixed effects spectral analysis. <b>2011</b> , 98, 583-598	23

1587	Decreased neuroautonomic complexity in men during an acute major depressive episode: analysis of heart rate dynamics. <b>2011</b> , 1, e27		52
1586	Predictive monitoring for early detection of subacute potentially catastrophic illnesses in critical care. <b>2011</b> , 2011, 5515-8		8
1585	Is childhood abuse or neglect associated with symptom reports and physiological measures in women with irritable bowel syndrome?. <b>2011</b> , 13, 399-408		43
1584	Radial pressure pulse and heart rate variability in heat- and cold-stressed humans. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2011</b> , 2011, 751317	2.3	36
1583	Autonomic nervous system function in type 2 diabetes using conventional clinical autonomic tests, heart rate and blood pressure variability measures. <b>2011</b> , 15, 198-203		16
1582	Application of a heat- and steam-generating sheet increases peripheral blood flow and induces parasympathetic predominance. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2011</b> , 2011, 965095	2.3	13
1581	Acute effects of fine particulate air pollution on cardiac arrhythmia: the APACR study. <b>2011</b> , 119, 927-32		43
1580	Abnormal heart rate regulation in murine hearts with familial hypertrophic cardiomyopathy-related cardiac troponin T mutations. <b>2011</b> , 300, H627-35		13
1579	Sex differences in carotid baroreflex control of arterial blood pressure in humans: relative contribution of cardiac output and total vascular conductance. <b>2011</b> , 301, H2454-65		66
1578	In vivo assessment of neurocardiovascular regulation in the mouse: principles, progress, and prospects. <b>2011</b> , 301, H654-62		13
1577	Modeling the association between HR variability and illness in elite swimmers. <b>2011</b> , 43, 1063-70		21
1576	Fine particulate air pollution is associated with higher vulnerability to atrial fibrillation--the APACR study. <b>2011</b> , 74, 693-705		64
1575	Transcutaneous electrical stimulation of acupoints changes body composition and heart rate variability in postmenopausal women with obesity. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2011</b> , 2011, 862121	2.3	10
1574	Effect of dietary omega-3 fatty acids on the heart rate and the heart rate variability responses to myocardial ischemia or submaximal exercise. <b>2011</b> , 300, H2288-99		23
1573	The conductor of the autonomic orchestra. <b>2012</b> , 3, 71		29
1572	Brain neuropeptides in central ventilatory and cardiovascular regulation in trout. <b>2012</b> , 3, 124		13
1571	Lack of association of estrogen receptor alpha gene polymorphisms with cardiorespiratory and metabolic variables in young women. <b>2012</b> , 13, 13691-703		4
1570	Effect of acute administration of vitamin C on muscle sympathetic activity, cardiac sympathovagal balance, and baroreflex sensitivity in hypertensive patients. <b>2012</b> , 96, 302-8		37

1569	Reducing personal exposure to particulate air pollution improves cardiovascular health in patients with coronary heart disease. <b>2012</b> , 120, 367-72		177
1568	Omega-3 fatty acid supplementation appears to attenuate particulate air pollution-induced cardiac effects and lipid changes in healthy middle-aged adults. <b>2012</b> , 120, 952-7		69
1567	Sympathetic activation and nitric oxide function in early hypertension. <b>2012</b> , 302, H1438-43		26
1566	Neurohumoral and haemodynamic profile in postural tachycardia and chronic fatigue syndromes. <b>2012</b> , 122, 183-92		51
1565	OVA-induced airway hyperresponsiveness alters murine heart rate variability and body temperature. <i>Frontiers in Physiology</i> , <b>2012</b> , 3, 456	4.6	4
1564	Gender differences in age-related changes in cardiac autonomic nervous function. <b>2012</b> , 2012, 679345		78
1563	Cardiovascular autonomic nervous system function and aerobic capacity in type 1 diabetes. <i>Frontiers in Physiology</i> , <b>2012</b> , 3, 356	4.6	14
1562	Combination of wearable multi-biosensor platform and resonance frequency training for stress management of the unemployed population. <i>Sensors</i> , <b>2012</b> , 12, 13225-48	3.8	16
1561	Relation between preoperative autonomic function and blood pressure change after tourniquet deflation during total knee replacement arthroplasty. <b>2012</b> , 62, 154-60		6
1560	Alcohol-dependence syndrome: Postural challenge on heart rate variability. <b>2012</b> , 54, 253-6		3
1559	Autonomic modulations in patients with bronchial asthma based on short-term heart rate variability. <b>2012</b> , 29, 254-8		17
1558	An epidemiological appraisal of the association between heart rate variability and particulate air pollution: a meta-analysis. <b>2012</b> , 98, 1127-35		122
1557	The effect of lavender aromatherapy on autonomic nervous system in midlife women with insomnia. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2012</b> , 2012, 740813	2.3	62
1556	Heart rate variability in association with frequent use of household sprays and scented products in SAPALDIA. <b>2012</b> , 120, 958-64		18
1555	Cyclical modulation of human ventricular repolarization by respiration. <i>Frontiers in Physiology</i> , <b>2012</b> , 3, 379	4.6	23
1554	Cardiac autonomic imbalance in newly diagnosed and established diabetes is associated with markers of adipose tissue inflammation. <b>2012</b> , 2012, 878760		68
1553	Fetal vibroacoustic stimulation in computerized cardiotocographic analysis: the role of short-term variability and approximate entropy. <b>2012</b> , 2012, 814987		8
1552	Heart rate variability changes at 2400 m altitude predicts acute mountain sickness on further ascent at 3000-4300 m altitudes. <i>Frontiers in Physiology</i> , <b>2012</b> , 3, 336	4.6	32

1551	Heart rate variability predicts cell death and inflammatory responses to global cerebral ischemia. <i>Frontiers in Physiology</i> , <b>2012</b> , 3, 131	4.6	14
1550	Abdominal superficial subcutaneous fat: a putative distinct protective fat subdepot in type 2 diabetes. <b>2012</b> , 35, 640-7		98
1549	Role of editing of R-R intervals in the analysis of heart rate variability. <i>Frontiers in Physiology</i> , <b>2012</b> , 3, 148	4.6	148
1548	Altered systemic hemodynamic and baroreflex response to angiotensin II in postural tachycardia syndrome. <b>2012</b> , 5, 173-80		30
1547	Nonlinear measures of heart rate variability and mortality risk in hemodialysis patients. <b>2012</b> , 7, 1454-60		53
1546	Monosodium glutamate neonatal treatment induces cardiovascular autonomic function changes in rodents. <b>2012</b> , 67, 1209-14		7
1545	Linear and nonlinear measures of fetal heart rate patterns evaluated on very short fetal magnetocardiograms. <b>2012</b> , 33, 1563-83		12
1544	Change of Spectral Analysis of Fetal Heart Rate During Clinical Hypnosis: a Prospective Randomised Trial from the 20th Week of Gestation Till Term. <b>2012</b> , 72, 316-321		2
1543	Prior peritraumatic dissociative experiences affect autonomic reactivity during trauma recall. <b>2012</b> , 13, 32-50		7
1542	Cardiac autonomic neuropathy measured by heart rate variability and markers of subclinical atherosclerosis in early type 2 diabetes. <b>2012</b> , 2012, 168264		19
1541	How to predict the impact of methylphenidate on cardiovascular risk in children with attention deficit disorder: methylphenidate improves autonomic dysfunction in children with ADHD. <b>2012</b> , 2012, 170935		13
1540	Effect of Acute Mental Stress on Heart Rate and QT Variability in Postmyocardial Infarction Patients. <b>2012</b> , 2012, 912672		8
1539	Peripheral oxytocin administration buffers autonomic but not behavioral responses to environmental stressors in isolated prairie voles. <b>2012</b> , 15, 149-61		58
1538	Linear and nonlinear heart rate variability indexes in clinical practice. <b>2012</b> , 2012, 219080		48
1537	The effect of gag reflex on cardiac sympatovagal tone. <b>2012</b> , 27, 249-50		4
1536	Effects of compression stockings on sympathetic activity and heart rate variability in individuals with spinal cord injury. <b>2012</b> , 35, 81-8		16
1535	Short-term stability of sleep and heart rate variability in good sleepers and patients with insomnia: for some measures, one night is enough. <b>2012</b> , 35, 1285-91		68
1534	Hot flashes and cardiac vagal control during women's daily lives. <b>2012</b> , 19, 406-12		50

1533	Multiscale analysis of biological data by scale-dependent lyapunov exponent. <i>Frontiers in Physiology</i> , <b>2011</b> , 2, 110	4.6	18
1532	Assessment of electrocardiography, echocardiography, and heart rate variability in dynamic and static type athletes. <b>2012</b> , 5, 655-60		11
1531	Acute dissociation and cardiac reactivity to script-driven imagery in trauma-related disorders. <b>2012</b> , 3,		20
1530	Resilience Training Program Reduces Physiological and Psychological Stress in Police Officers. <b>2012</b> , 1, 44-66		118
1529	Heart rate variability assessment of the effect of physical training on autonomic cardiac control. <b>2012</b> , 17, 219-29		31
1528	Evaluation of 5-year risk of cardiovascular events in patients after acute myocardial infarction using synchronization of 0.1-Hz rhythms in cardiovascular system. <b>2012</b> , 17, 204-13		17
1527	The integration of depressive behaviors and cardiac dysfunction during an operational measure of depression: investigating the role of negative social experiences in an animal model. <b>2012</b> , 74, 612-9		31
1526	Heart rate variability can be used to estimate sleepiness-related decrements in psychomotor vigilance during total sleep deprivation. <b>2012</b> , 35, 325-34		80
1525	Evaluation of cardiac autonomic function by various indices in patients with primary premature ovarian failure. <b>2012</b> , 101, 753-9		4
1524	Diet and exercise training reduce blood pressure and improve autonomic modulation in women with prehypertension. <b>2012</b> , 112, 3369-78		21
1523	The effects of views of nature on autonomic control. <b>2012</b> , 112, 3379-86		89
1522	The effect of dexmedetomidine on arterial-cardiac baroreflex function assessed by spectral and transfer function analysis. <b>2012</b> , 26, 483-9		9
1521	Effect of exercise on cardiac autonomic function in females with rheumatoid arthritis. <b>2012</b> , 31, 1155-62		24
1520	Atrioventricular conduction properties in patients with prolonged pauses undergoing ablation of longstanding persistent atrial fibrillation: do pauses during atrial fibrillation matter?. <b>2012</b> , 34, 277-85		3
1519	Cardiac autonomic function in metabolic syndrome: a comparison of ethnic Turkish and Japanese patients. <b>2012</b> , 35, 253-8		3
1518	Measurement fidelity of heart rate variability signal processing: the devil is in the details. <b>2012</b> , 86, 88-97		25
1517	Tilt training increases vasoconstrictor reserve in patients with neurocardiogenic syncope. <b>2012</b> , 31, 469-476		5
1516	The effects of inflammation on heart rate and rhythm in a canine model of cardiac surgery. <b>2012</b> , 9, 432-9		15

1515	[Tilt training increases vasoconstrictor reserve in patients with neurocardiogenic syncope]. <b>2012</b> , 31, 469-76		6
1514	A real-time automated point-process method for the detection and correction of erroneous and ectopic heartbeats. <b>2012</b> , 59, 2828-37		69
1513	Baroreceptor sensitivity after Valsalva maneuver in women with chronic obstructive pulmonary disease. <b>2012</b> , 22, 185-9		6
1512	Cardiovascular variability in Parkinson's disease and extrapyramidal motor slowing. <b>2012</b> , 22, 191-6		13
1511	Advances in the epidemiology, pathogenesis, and management of Cushing's syndrome complications. <b>2012</b> , 35, 434-48		62
1510	Variability analysis and the diagnosis, management, and treatment of sepsis. <b>2012</b> , 14, 512-21		40
1509	Linear and nonlinear analysis of heart rate variability in coronary disease. <b>2012</b> , 22, 175-83		19
1508	QTc interval prolongation in HIV-infected patients: a case-control study by 24-hour Holter ECG recording. <i>BMC Cardiovascular Disorders</i> , <b>2012</b> , 12, 124	2.3	16
1507	Body mass index contributes to sympathovagal imbalance in prehypertensives. <i>BMC Cardiovascular Disorders</i> , <b>2012</b> , 12, 54	2.3	24
1506	Walks4work: rationale and study design to investigate walking at lunchtime in the workplace setting. <i>BMC Public Health</i> , <b>2012</b> , 12, 550	4.1	16
1505	Association of serum adipocytokine levels with cardiac autonomic neuropathy in type 2 diabetic patients. <b>2012</b> , 11, 24		29
1504	Sensitivity, specificity and predictive values of linear and nonlinear indices of heart rate variability in stable angina patients. <b>2012</b> , 5, 31		37
1503	Effects of thermal environment on sleep and circadian rhythm. <b>2012</b> , 31, 14		151
1502	Normative references of heart rate variability and salivary alpha-amylase in a healthy young male population. <b>2012</b> , 31, 9		56
1501	Trans-fatty acid consumption and heart rate variability in 2 separate cohorts of older and younger adults. <b>2012</b> , 5, 728-38		14
1500	Cardiovascular autonomic neuropathies as complications of diabetes mellitus. <b>2012</b> , 8, 405-16		104
1499	Heart rate variability and nonlinear dynamic analysis in patients with stress-induced cardiomyopathy. <b>2012</b> , 50, 1037-46		15
1498	Evaluation of the effects of mediastinal radiation therapy on autonomic nervous system. <b>2012</b> , 29, 3581-6		6

1497	Assessment of training effects on autonomic modulation of the cardiovascular system in mature rats using power spectral analysis of heart rate variability. <b>2012</b> , 17, 415-22		7
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1493	Children's Body composition and Stress - the ChiBS study: aims, design, methods, population and participation characteristics. <b>2012</b> , 70, 17		32
1492	Process attributes in bio-ontologies. <b>2012</b> , 13, 217		1
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1486	Burnt sugarcane harvesting - cardiovascular effects on a group of healthy workers, Brazil. <i>PLoS ONE</i> , <b>2012</b> , 7, e46142	3.7	33
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1481	Non-gaussianity of low frequency heart rate variability and sympathetic activation: lack of increases in multiple system atrophy and Parkinson disease. <i>Frontiers in Physiology</i> , <b>2012</b> , 3, 34	4.6	21
1480	Effect of dietary omega-3 polyunsaturated Fatty acids on heart rate and heart rate variability in animals susceptible or resistant to ventricular fibrillation. <i>Frontiers in Physiology</i> , <b>2012</b> , 3, 71	4.6	13



1479	The Relationship between Heart Rate Variability and Adiposity Differs for Central and Overall Adiposity. <b>2012</b> , 2012, 1495-16	63
1478	Meditation-induced changes in high-frequency heart rate variability predict smoking outcomes. <b>2012</b> , 6, 54	35
1477	Measurement of the effect of Isha Yoga on cardiac autonomic nervous system using short-term heart rate variability. <b>2012</b> , 3, 91-6	46
1476	Effect of rotating acoustic stimulus on heart rate variability in healthy adults. <b>2012</b> , 6, 71-7	16
1475	Modeling physiologic variability in human endotoxemia. <b>2012</b> , 40, 313-22	17
1474	Auditory stimulation and cardiac autonomic regulation. <b>2012</b> , 67, 955-8	33
1473	Linear and nonlinear analysis of heart rate variability in healthy subjects and after acute myocardial infarction in patients. <b>2012</b> , 45, 450-8	12
1472	Cardio-ventilatory coupling in young healthy resting subjects. <b>2012</b> , 112, 1248-57	12
1471	The effects of thoracic sympathectomy on heart rate variability in patients with palmar hyperhidrosis. <b>2012</b> , 53, 1081-4	9
1470	Plantar thermography is useful in the early diagnosis of diabetic neuropathy. <b>2012</b> , 67, 1419-25	35
1469	Influence of hypoxia and hypercapnia on sleep state-dependent heart rate variability behavior in newborn lambs. <b>2012</b> , 35, 1541-9	16
1468	Restoration of autonomic dysfunction in children with obstructive sleep apnea after adenotonsillectomy. <b>2012</b> , 35, 1311-2	2
1467	The influence of oral water load on energy expenditure and sympatho-vagal balance in obese and normal weight women. <b>2012</b> , 8, 1003-8	8
1466	Automatic filtering of outliers in RR intervals before analysis of heart rate variability in Holter recordings: a comparison with carefully edited data. <b>2012</b> , 11, 2	20
1465	Cardiovascular physiology in premotor Parkinson's disease: a neuroepidemiologic study. <b>2012</b> , 27, 988-95	30
1464	Atypical development of resting respiratory sinus arrhythmia in children at high risk for depression. <b>2012</b> , 54, 556-67	46
1463	Caffeine Enhances Heart Rate Variability in Middle-Aged Healthy, But Not Heart Failure Subjects. <b>2012</b> , 2, 77-82	19
1462	Heart rate variability during abdominal surgical manipulation under general and epidural anesthesia. <b>2012</b> , 26, 900-4	6

1461	Polymorphic variation in choline transporter gene (CHT1) is associated with early, subclinical measures of carotid atherosclerosis in humans. <b>2012</b> , 28, 243-50	11
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1459	Variations of the analgesia nociception index during general anaesthesia for laparoscopic abdominal surgery. <b>2012</b> , 26, 289-94	111
1458	Lagged segmented Poincaré plot analysis for risk stratification in patients with dilated cardiomyopathy. <b>2012</b> , 50, 727-36	13
1457	Aging reduces complexity of heart rate variability assessed by conditional entropy and symbolic analysis. <b>2012</b> , 7, 229-35	42
1456	Acute exercise improves physical sexual arousal in women taking antidepressants. <b>2012</b> , 43, 352-61	45
1455	What do we know and we do not know about cardiovascular autonomic neuropathy in diabetes. <b>2012</b> , 5, 463-78	69
1454	Microcirculation response to local cooling in patients with Huntington's disease. <b>2012</b> , 259, 921-8	17
1453	Impact of a soccer match on the cardiac autonomic control of referees. <b>2012</b> , 112, 2233-42	28
1452	Cardiovascular responses to water ingestion at rest and during isometric handgrip exercise. <b>2012</b> , 112, 2495-501	4
1451	Dissociation of heart rate variability and heart rate recovery in well-trained athletes. <b>2012</b> , 112, 2757-66	15
1450	Influence of mental workload on muscle endurance, fatigue, and recovery during intermittent static work. <b>2012</b> , 112, 2891-902	123
1449	Heart rate variability analysis of normal and growth restricted children. <b>2012</b> , 22, 91-7	40
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1447	Evidence for a curvilinear relationship between sympathetic nervous system activation and women's physiological sexual arousal. <b>2012</b> , 49, 111-7	52
1446	Effect of meal content on heart rate variability and cardiovascular reactivity to mental stress. <b>2012</b> , 49, 470-7	28
1445	Effect of methamphetamine dependence on heart rate variability. <b>2012</b> , 17, 648-58	43
1444	Myocardial (123) I-metaiodobenzylguanidine washout and heart rate variability in asymptomatic subjects. <b>2012</b> , 17, 8-13	3

1443	Real-time detection of workload changes using heart rate variability. <b>2012</b> , 7, 333-341	67
1442	Effect of mild, asymptomatic obstructive sleep apnea on daytime heart rate variability and impedance cardiography measurements. <b>2012</b> , 109, 140-5	35
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1440	Evidence-based intervention for young children born premature: preliminary evidence for associated changes in physiological regulation. <b>2012</b> , 35, 417-28	22
1439	Exacerbation of myocardial dysfunction and autonomic imbalance contributes to the estrogen-dependent chronic hypotensive effect of ethanol in female rats. <b>2012</b> , 679, 95-100	9
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1437	Heart rate reduction and autonomic response in young adults following different vagal maneuvers. <b>2012</b> , 24, 1-4	
1436	Cardiovascular risk assessment in children following kidney transplantation. <b>2012</b> , 16, 564-76	17
1435	Blunted vagal reactivity predicts stress-precipitated tobacco smoking. <b>2012</b> , 220, 259-68	36
1434	Verbal, facial and autonomic responses to empathy-eliciting film clips by disruptive male adolescents with high versus low callous-unemotional traits. <b>2012</b> , 40, 211-23	153
1433	Haemodynamic adaptation during sudden gravity transitions. <b>2012</b> , 112, 79-89	13
1432	Monitoring changes in physical performance with heart rate measures in young soccer players. <b>2012</b> , 112, 711-23	124
1431	The effect of post-exercise hydrotherapy on subsequent exercise performance and heart rate variability. <b>2012</b> , 112, 951-61	57
1430	Effect of transcutaneous electrical nerve stimulation on muscle metaboreflex in healthy young and older subjects. <b>2012</b> , 112, 1327-34	21
1429	Effect of mild hyperglycemia on autonomic function in obstructive sleep apnea. <b>2012</b> , 22, 1-8	10
1428	Relationship between status of plasma atrial natriuretic peptide and heart rate variability in human subjects. <b>2013</b> , 28, 208-14	4
1427	Effects of an isotonic beverage on autonomic regulation during and after exercise. <b>2013</b> , 10, 2	33
1426	Heart rate variability in stroke patients submitted to an acute bout of aerobic exercise. <b>2013</b> , 4, 488-99	23

1425	Detection of motor execution using a hybrid fNIRS-biosignal BCI: a feasibility study. <b>2013</b> , 10, 4	55
1424	The use of heart rate variability for the early detection of treatable complications after aneurysmal subarachnoid hemorrhage. <b>2013</b> , 27, 385-93	13
1423	Translational applications of evaluating physiologic variability in human endotoxemia. <b>2013</b> , 27, 405-15	16
1422	Influence of age and gender on autonomic regulation of heart. <b>2013</b> , 27, 259-64	102
1421	Heart rate variability analysis during central hypovolemia using wavelet transformation. <b>2013</b> , 27, 289-302	12
1420	Exposure to wood smoke increases arterial stiffness and decreases heart rate variability in humans. <b>2013</b> , 10, 20	80
1419	Comparison of real beat-to-beat signals with commercially available 4 Hz sampling on the evaluation of foetal heart rate variability. <b>2013</b> , 51, 665-76	37
1418	Different associations of alcohol cue reactivity with negative alcohol expectancies in mandated and inpatient samples of young adults. <b>2013</b> , 38, 2040-3	10
1417	Effects of prefrontal repetitive transcranial magnetic stimulation on the autonomic regulation of cardiovascular function. <b>2013</b> , 226, 265-71	20
1416	Pathophysiology of exercise heart rate recovery: a comprehensive analysis. <b>2013</b> , 18, 107-17	30
1415	Inattentive and hyperactive preschool-age boys have lower sympathetic and higher parasympathetic activity. <b>2013</b> , 63, 87-94	13
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1413	Physiologic and laboratory correlates of depression, anxiety, and poor sleep in liver cirrhosis. <b>2013</b> , 13, 18	14
1412	Is virtual reality always an effective stressors for exposure treatments? Some insights from a controlled trial. <i>BMC Psychiatry</i> , <b>2013</b> , 13, 52	4.2 40
1411	Heart rate variability in sciatica patients referred to spine surgery: a case control study. <b>2013</b> , 14, 149	12
1410	Effect of an office worksite-based yoga program on heart rate variability: outcomes of a randomized controlled trial. <b>2013</b> , 13, 82	46
1409	Traffic-related air pollution exposures and changes in heart rate variability in Mexico City: a panel study. <b>2013</b> , 12, 7	55
1408	Expectations contribute to reduced pain levels during prayer in highly religious participants. <b>2013</b> , 36, 413-26	19

1407	The effects of bilateral stimulation of the subthalamic nucleus on heart rate variability in patients with Parkinson's disease. <b>2013</b> , 260, 1714-23	19
1406	Noisy fluctuation of heart rate indicates cardiovascular system instability. <b>2013</b> , 113, 2253-61	4
1405	Effects of isometric handgrip training dose on resting blood pressure and resistance vessel endothelial function in normotensive women. <b>2013</b> , 113, 2091-100	59
1404	Physical activity intensity and surrogate markers for cardiovascular health in adolescents. <b>2013</b> , 113, 1213-22	23
1403	Determinants of muscle metaboreflex and involvement of baroreflex in boys and young men. <b>2013</b> , 113, 827-38	14
1402	Effect of diurnal temperature range on cardiovascular markers in the elderly in Seoul, Korea. <b>2013</b> , 57, 597-603	33
1401	Dysautonomia is frequent in Machado-Joseph disease: clinical and neurophysiological evaluation. <b>2013</b> , 12, 513-9	11
1400	Sympathetic withdrawal is associated with hypotension after hepatic reperfusion. <b>2013</b> , 23, 123-31	7
1399	The effect of on-line hemodiafiltration on heart rate variability in end-stage renal disease. <b>2013</b> , 32, 127-33	3
1398	Autonomic involvement in idiopathic premature ventricular contractions. <b>2013</b> , 102, 361-70	25
1397	Heart rate variability during sleep and subsequent sleepiness in patients with chronic fatigue syndrome. <b>2013</b> , 176, 85-90	14
1396	High cardiac vagal control protects against future depressive symptoms under conditions of high social support. <b>2013</b> , 93, 143-9	28
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1392	Heart rate variability is a predictor of mortality in chronic kidney disease: a report from the CRIC Study. <b>2013</b> , 38, 517-28	50
1391	Physiological relaxation induced by horticultural activity: transplanting work using flowering plants. <b>2013</b> , 32, 15	12
1390	Combat casualties undergoing lifesaving interventions have decreased heart rate complexity at multiple time scales. <b>2013</b> , 28, 1093-8	19

1389	Previous exposure to musical auditory stimulation immediately influences the cardiac autonomic responses to the postural change maneuver in women. <b>2013</b> , 6, 32		7
1388	Cardiovascular risk and mortality in end-stage renal disease patients undergoing dialysis: sleep study, pulmonary function, respiratory mechanics, upper airway collapsibility, autonomic nervous activity, depression, anxiety, stress and quality of life: a prospective, double blind, randomized controlled clinical trial. <b>2013</b> , 14, 215		17
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1385	Spontaneous baroreflex sensitivity in young normotensive African-American women. <b>2013</b> , 23, 209-13		4
1384	The Netherlands Epidemiology of Obesity (NEO) study: study design and data collection. <b>2013</b> , 28, 513-23		134
1383	VO <sub>2</sub> and VCO <sub>2</sub> variabilities through indirect calorimetry instrumentation. <b>2013</b> , 2, 688		1
1382	Association between oral variables and heart rate variability. <b>2013</b> , 6, 49		5
1381	Autonomic dysfunction in reversible cerebral vasoconstriction syndromes. <b>2013</b> , 14, 94		22
1380	Physiological and psychological effects of walking on young males in urban parks in winter. <b>2013</b> , 32, 18		85
1379	Understanding the metabolic syndrome: a modeling perspective. <b>2013</b> , 6, 143-55		14
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1377	Heart rate variability as a measure of autonomic dysfunction in men with advanced cancer. <b>2013</b> , 22, 612-6		23
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1375	The effect of hypoxia and exercise on heart rate variability, immune response, and orthostatic stress. <b>2013</b> , 23, e1-8		12
1374	Consecutive days of cold water immersion: effects on cycling performance and heart rate variability. <b>2013</b> , 113, 371-84		41
1373	Cardio-autonomic control and wellbeing due to oscillating color light exposure. <b>2013</b> , 114-115, 55-64		13
1372	Association between heart rate variability and fluctuations in resting-state functional connectivity. <b>2013</b> , 68, 93-104		217

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1368	The association of cardiac vagal control and executive functioning--findings from the MIDUS study. <b>2013</b> , 47, 628-35	40
1367	Correlation between glycemic trends assessed by 24 h continuous monitoring and autonomic activity in patients with recent onset type 2 diabetes. <b>2013</b> , 100, e14-6	1
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1365	Stochastic cardiac pacing increases ventricular electrical stability--a computational study. <b>2013</b> , 105, 533-42	20
1364	Respiratory sinus arrhythmia, shyness, and effortful control in preschool-age children. <b>2013</b> , 92, 241-8	26
1363	Central autonomic network mediates cardiovascular responses to acute inflammation: relevance to increased cardiovascular risk in depression?. <b>2013</b> , 31, 189-96	55
1362	Combinations of resting RSA and RSA reactivity impact maladaptive mood repair and depression symptoms. <b>2013</b> , 94, 272-81	38
1361	Acute improvement in hemodynamic control after osteopathic manipulative treatment in the third trimester of pregnancy. <b>2013</b> , 21, 618-26	14
1360	Comparison of higher order spectra in heart rate signals during two techniques of meditation: Chi and Kundalini meditation. <b>2013</b> , 7, 39-46	14
1359	Determinants and reference values of short-term heart rate variability in children. <b>2013</b> , 113, 1477-88	64
1358	Effects of a high-carbohydrate versus high-protein meal on acute responses to hypoxia at rest and exercise. <b>2013</b> , 113, 691-702	13
1357	Reduced heart rate variability is associated with increased arterial stiffness in youth with type 1 diabetes: the SEARCH CVD study. <b>2013</b> , 36, 2351-8	55
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1355	Peak high-frequency HRV and peak alpha frequency higher in PTSD. <i>Applied Psychophysiology Biofeedback</i> , <b>2013</b> , 38, 57-69	3-4 72
1354	Effects of induced hyperinsulinaemia with and without hyperglycaemia on measures of cardiac vagal control. <b>2013</b> , 56, 1436-43	21

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1352	Dynamic functional connectivity: promise, issues, and interpretations. <b>2013</b> , 80, 360-78		1571
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1348	Obstructive sleep apnea and heart rate asymmetry microstructure during sleep. <b>2013</b> , 23, 91-100		21
1347	Cognitive function is associated with impaired heart rate variability in ageing adults: the Irish longitudinal study on ageing wave one results. <b>2013</b> , 23, 313-23		60
1346	Initial fractal exponent of heart rate variability is associated with success of early resuscitation in patients with severe sepsis or septic shock: a prospective cohort study. <b>2013</b> , 28, 959-63		11
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1344	Evolution of cardiorespiratory interactions with age. <b>2013</b> , 371, 20110622		71
1343	Race differences in age-trends of autonomic nervous system functioning. <b>2013</b> , 25, 839-62		20
1342	Effects of feeding schedule changes on the circadian phase of the cardiac autonomic nervous system and serum lipid levels. <b>2013</b> , 113, 2603-11		42
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1337	Validity of the athleteâSmart Phone Application for Determining Ultra-Short-Term Heart Rate Variability. <b>2013</b> , 39, 85-92		83
1336	Sertraline exposure leads to small left heart syndrome in adult mice. <b>2013</b> , 73, 286-93		20



1335	Pilot study of acupuncture point laterality: evidence from heart rate variability. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2013</b> , 2013, 476064	2.3	12
1334	Effects of deqi on autonomic balance in adult tinnitus patients: study design of a randomized controlled trial. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2013</b> , 2013, 756012	2.3	7
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1331	The physical effects of aromatherapy in alleviating work-related stress on elementary school teachers in taiwan. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2013</b> , 2013, 853809	2.3	15
1330	Cardiac responses to 24 hrs hyperoxia in Bmp2 and Bmp4 heterozygous mice. <b>2013</b> , 25, 509-16		4
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1326	Individual daytime noise exposure during routine activities and heart rate variability in adults: a repeated measures study. <b>2013</b> , 121, 607-12		61
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1323	Heart rate variability as a predictor of hypotension after spinal anesthesia in hypertensive patients. <b>2013</b> , 65, 317-21		8
1322	The effect of live spontaneous harp music on patients in the intensive care unit. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2013</b> , 2013, 428731	2.3	7
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1320	Supraventricular arrhythmias after thoracotomy: is there a role for autonomic imbalance?. <b>2013</b> , 2013, 413985		8
1319	The effect of bedding system selected by manual muscle testing on sleep-related cardiovascular functions. <i>BioMed Research International</i> , <b>2013</b> , 2013, 937986	3	4
1318	Cigarette Smoking Is Associated with Prolongation of the QTc Interval Duration in Patients with Type 2 Diabetes Mellitus. <b>2013</b> , 2013, 329189		11

1317	Heart Rate Variability Anatomy and Physiology. <b>2013</b> , 41, 13-25		25
1316	Effects of Moxa ( <i>Folium Artemisiae argyi</i> ) Smoke Exposure on Heart Rate and Heart Rate Variability in Healthy Young Adults: A Randomized, Controlled Human Study. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2013</b> , 2013, 510318	2.3	13
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1313	Association of heart rate variability and inflammatory response in patients with cardiovascular diseases: current strengths and limitations. <i>Frontiers in Physiology</i> , <b>2013</b> , 4, 174	4.6	46
1312	Comparison of changes in heart rate variability and sacral skin perfusion in response to postural changes in people with spinal cord injury. <b>2013</b> , 50, 203-14		21
1311	The LF/HF ratio does not accurately measure cardiac sympatho-vagal balance. <i>Frontiers in Physiology</i> , <b>2013</b> , 4, 26	4.6	589
1310	Impact of colored light on cardiorespiratory coordination. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2013</b> , 2013, 810876	2.3	9
1309	Increased inducibility of ventricular tachycardia and decreased heart rate variability in a mouse model for type 1 diabetes: effect of pravastatin. <b>2013</b> , 305, H1807-16		16
1308	Do physiological and pathological stresses produce different changes in heart rate variability?. <i>Frontiers in Physiology</i> , <b>2013</b> , 4, 197	4.6	11
1307	The effect of guided imagery on stress and fatigue in patients with thyroid cancer undergoing radioactive iodine therapy. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2013</b> , 2013, 130324 <sup>2,3</sup>		12
1306	Lower preoperative fluctuation of heart rate variability is an independent risk factor for postoperative atrial fibrillation in patients undergoing major pulmonary resection. <b>2013</b> , 17, 680-6		16
1305	Effects of omega-3 fatty acid supplementation on heart rate variability at rest and during acute stress in adults with moderate hypertriglyceridemia. <b>2013</b> , 75, 382-9		16
1304	Vagal withdrawal during hot flashes occurring in undisturbed sleep. <b>2013</b> , 20, 1147-53		26
1303	Multiscale analysis of heart rate variability in non-stationary environments. <i>Frontiers in Physiology</i> , <b>2013</b> , 4, 119	4.6	14
1302	Vitamin D levels are associated with cardiac autonomic activity in healthy humans. <b>2013</b> , 5, 2114-27		32
1301	Postnatal sulfur dioxide exposure reversibly alters parasympathetic regulation of heart rate. <b>2013</b> , 62, 274-80		4
1300	Continuous correction of differential path length factor in near-infrared spectroscopy. <b>2013</b> , 18, 56001		19

1299	Meditative movement for depression and anxiety. <i>Frontiers in Psychiatry</i> , <b>2013</b> , 4, 71	5	65
1298	Unilateral renal denervation improves autonomic balance in conscious rabbits with chronic heart failure. <b>2013</b> , 305, R886-92		30
1297	The contribution of preintervention blood pressure, VO2max, BMI, autonomic function and gender to exercise-induced changes in heart rate variability. <b>2013</b> , 47, 575-8		4
1296	Autonomic Cardiovascular Damage during Post-menopause: the Role of Physical Training. <b>2013</b> , 4, 320-8		22
1295	Obesity in american Indian and mexican american men and women: associations with blood pressure and cardiovascular autonomic control. <b>2013</b> , 2013, 680687		6
1294	Nitric oxide and regulation of heart rate in patients with postural tachycardia syndrome and healthy subjects. <b>2013</b> , 61, 376-81		10
1293	Haptoglobin genotype and risk markers of cardiovascular disease in patients with chronic kidney disease. <b>2013</b> , 2013, 650847		4
1292	Physical therapy for airway clearance improves cardiac autonomic modulation in children with acute bronchiolitis. <b>2013</b> , 17, 533-40		7
1291	Evaluation of autonomic functions by heart rate variability after stenting in patients with carotid artery stenosis. <b>2013</b> , 18, 126-9		5
1290	Effect of the approach to insulin therapy on glycaemic fluctuations and autonomic tone in hospitalized patients with diabetes. <b>2013</b> , 15, 558-63		7
1289	Human baroreflex rhythms persist during handgrip and muscle ischaemia. <b>2013</b> , 209, 114-23		5
1288	Chronic stress and sexual function in women. <b>2013</b> , 10, 2443-54		73
1287	Shortening baroreflex delay in hypertrophic cardiomyopathy patients -- an unknown effect of Eb blockers. <b>2013</b> , 75, 1516-24		3
1286	Impact of glycemic control on heart rate variability in youth with type 1 diabetes: the SEARCH CVD study. <b>2013</b> , 15, 977-83		19
1285	Reduced heart rate variability among youth with type 1 diabetes: the SEARCH CVD study. <b>2013</b> , 36, 157-62		63
1284	Wellness, fatigue and physical performance acclimatisation to a 2-week soccer camp at 3600 m (ISA3600). <b>2013</b> , 47 Suppl 1, i100-6		36
1283	Dynamic analysis of cardiac rhythms for discriminating atrial fibrillation from lethal ventricular arrhythmias. <b>2013</b> , 6, 555-61		23
1282	CANONICAL CORRELATION ANALYSIS BETWEEN TIME SERIES AND STATIC OUTCOMES, WITH APPLICATION TO THE SPECTRAL ANALYSIS OF HEART RATE VARIABILITY. <b>2013</b> , 7, 570-587		7

1281	Physiological stress responses predict sexual functioning and satisfaction differently in women who have and have not been sexually abused in childhood. <b>2013</b> , 5, 350-358		14
1280	Children's sleep and autonomic function: low sleep quality has an impact on heart rate variability. <b>2013</b> , 36, 1939-46		44
1279	Increased sympathetic and decreased parasympathetic cardiac tone in patients with sleep related alveolar hypoventilation. <b>2013</b> , 36, 933-40		30
1278	Association of cardiac autonomic neuropathy with arterial stiffness in type 2 diabetes mellitus patients. <b>2013</b> , 12, 55		14
1277	Potential side effects of unhealthy lifestyle choices and health risks on basal and reactive heart rate variability in college drinkers. <b>2013</b> , 74, 787-96		11
1276	Non-high altitude methods for rapid screening of susceptibility to acute mountain sickness. <i>BMC Public Health</i> , <b>2013</b> , 13, 902	4.1	12
1275	Intracardiac origin of heart rate variability, pacemaker funny current and their possible association with critical illness. <b>2013</b> , 9, 82-96		29
1274	Visual pursuit response in the severe disorder of consciousness: modulation by the central autonomic system and a predictive model. <b>2013</b> , 13, 164		26
1273	Secondhand tobacco smoke exposure and heart rate variability and inflammation among non-smoking construction workers: a repeated measures study. <b>2013</b> , 12, 83		19
1272	Particulate air pollution, ambulatory heart rate variability, and cardiac arrhythmia in retirement community residents with coronary artery disease. <b>2013</b> , 121, 1135-41		74
1271	Analysis of heart rate variability in individuals subjected to different positive end expiratory pressure levels using expiratory positive airway pressure. <b>2013</b> , 9, 651-5		2
1270	Detection of structural changes in tachogram series for the diagnosis of atrial fibrillation events. <b>2013</b> , 2013, 373401		2
1269	The effects of cigarette smoking on aerobic and anaerobic capacity and heart rate variability among female university students. <b>2013</b> , 5, 667-79		14
1268	Low-intensity resistance exercise does not affect cardiac autonomic modulation in patients with peripheral artery disease. <b>2013</b> , 68, 632-7		8
1267	Altered heart rate dynamics associated with antipsychotic-induced subjective restlessness in patients with schizophrenia. <b>2013</b> , 9, 989-94		4
1266	Parasympathetic activity and blood catecholamine responses following a single partial-body cryostimulation and a whole-body cryostimulation. <i>PLoS ONE</i> , <b>2013</b> , 8, e72658	3.7	60
1265	Reliability and validity of heart rate variability threshold assessment during an incremental shuttle-walk test in middle-aged and older adults. <b>2013</b> , 46, 194-9		13
1264	Adaptation of autonomic heart rate regulation in astronauts after spaceflight. <b>2013</b> , 19, 9-17		8

1263	The effects of auditory stimulation with music on heart rate variability in healthy women. <b>2013</b> , 68, 960-7		45
1262	Phase synchronization of hemodynamic variables at rest and after deep breathing measured during the course of pregnancy. <i>PLoS ONE</i> , <b>2013</b> , 8, e60675	3.7	10
1261	Prevalent hallucinations during medical internships: phantom vibration and ringing syndromes. <i>PLoS ONE</i> , <b>2013</b> , 8, e65152	3.7	25
1260	Predicting 7-day survival using heart rate variability in hospice patients with non-lung cancers. <i>PLoS ONE</i> , <b>2013</b> , 8, e69482	3.7	23
1259	A randomized controlled study on the effects of bisoprolol and atenolol on sympathetic nervous activity and central aortic pressure in patients with essential hypertension. <i>PLoS ONE</i> , <b>2013</b> , 8, e72102	3.7	19
1258	Fetal functional brain age assessed from universal developmental indices obtained from neuro-vegetative activity patterns. <i>PLoS ONE</i> , <b>2013</b> , 8, e74431	3.7	37
1257	Cardiac autonomic modulation is determined by gender and is independent of aerobic physical capacity in healthy subjects. <i>PLoS ONE</i> , <b>2013</b> , 8, e77092	3.7	42
1256	Affective instability in daily life is predicted by resting heart rate variability. <i>PLoS ONE</i> , <b>2013</b> , 8, e81536	3.7	87
1255	Pregnant mothers with resolved anxiety disorders and their offspring have reduced heart rate variability: implications for the health of children. <i>PLoS ONE</i> , <b>2013</b> , 8, e83186	3.7	24
1254	Preterm birth has sex-specific effects on autonomic modulation of heart rate variability in adult sheep. <i>PLoS ONE</i> , <b>2013</b> , 8, e85468	3.7	7
1253	Music structure determines heart rate variability of singers. <b>2013</b> , 4, 334		61
1252	Pros and cons of a wandering mind: a prospective study. <b>2013</b> , 4, 524		49
1251	Prognostic and symptomatic aspects of rapid eye movement sleep in a mouse model of posttraumatic stress disorder. <b>2013</b> , 7, 60		14
1250	Characterization of affective states by pupillary dynamics and autonomic correlates. <b>2013</b> , 6, 9		27
1249	Perceiving blocks of emotional pictures and sounds: effects on physiological variables. <b>2013</b> , 7, 295		44
1248	Autonomic nervous system function following prenatal opiate exposure. <i>Frontiers in Pediatrics</i> , <b>2013</b> , 1, 27	3.4	10
1247	Differential association of adiposity measures with heart rate variability measures in Koreans. <b>2013</b> , 54, 55-61		23
1246	Autonomic conditions in tinnitus and implications for Korean medicine. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2013</b> , 2013, 402585	2.3	15

1245	Heart rate variability analysis in patients with allergic rhinitis. <b>2013</b> , 2013, 947385		10
1244	Arousal vs. relaxation: a comparison of the neurophysiological and cognitive correlates of Vajrayana and Theravada meditative practices. <i>PLoS ONE</i> , <b>2014</b> , 9, e102990	3.7	65
1243	The biphasic effects of moderate alcohol consumption with a meal on ambiance-induced mood and autonomic nervous system balance: a randomized crossover trial. <i>PLoS ONE</i> , <b>2014</b> , 9, e86199	3.7	15
1242	Cardiac sympathetic modulation in response to apneas/hypopneas through heart rate variability analysis. <i>PLoS ONE</i> , <b>2014</b> , 9, e86434	3.7	31
1241	Effect of age on complexity and causality of the cardiovascular control: comparison between model-based and model-free approaches. <i>PLoS ONE</i> , <b>2014</b> , 9, e89463	3.7	66
1240	Exploring the use of thermal infrared imaging in human stress research. <i>PLoS ONE</i> , <b>2014</b> , 9, e90782	3.7	64
1239	Heart rate variability reflects the natural history of physiological development in healthy children and is not associated with quality of life. <i>PLoS ONE</i> , <b>2014</b> , 9, e91036	3.7	9
1238	Gender-specific impacts of apnea, age, and BMI on parasympathetic nerve dysfunction during sleep in patients with obstructive sleep apnea. <i>PLoS ONE</i> , <b>2014</b> , 9, e92808	3.7	7
1237	Multiscale complexity analysis of the cardiac control identifies asymptomatic and symptomatic patients in long QT syndrome type 1. <i>PLoS ONE</i> , <b>2014</b> , 9, e93808	3.7	29
1236	Autonomic dysfunction in mild cognitive impairment: evidence from power spectral analysis of heart rate variability in a cross-sectional case-control study. <i>PLoS ONE</i> , <b>2014</b> , 9, e96656	3.7	37
1235	Impact of sleep-disordered breathing on heart rate turbulence in heart failure patients. <i>PLoS ONE</i> , <b>2014</b> , 9, e101307	3.7	6
1234	Effects of emotion regulation difficulties on the tonic and phasic cardiac autonomic response. <i>PLoS ONE</i> , <b>2014</b> , 9, e102971	3.7	58
1233	Modifying effect of a common polymorphism in the interleukin-6 promoter on the relationship between long-term exposure to traffic-related particulate matter and heart rate variability. <i>PLoS ONE</i> , <b>2014</b> , 9, e104978	3.7	13
1232	Relationship between vagal tone, cortisol, TNF-alpha, epinephrine and negative affects in Crohn's disease and irritable bowel syndrome. <i>PLoS ONE</i> , <b>2014</b> , 9, e105328	3.7	112
1231	Associations between diurnal 24-hour rhythm in ambulatory heart rate variability and the timing and amount of meals during the day shift in rotating shift workers. <i>PLoS ONE</i> , <b>2014</b> , 9, e106643	3.7	5
1230	Behavioural and physiological effects of finely balanced decision-making in chickens. <i>PLoS ONE</i> , <b>2014</b> , 9, e108809	3.7	3
1229	Low-level carotid baroreceptor stimulation suppresses ventricular arrhythmias during acute ischemia. <i>PLoS ONE</i> , <b>2014</b> , 9, e109313	3.7	18
1228	Identifying genetic variants for heart rate variability in the acetylcholine pathway. <i>PLoS ONE</i> , <b>2014</b> , 9, e112476	3.7	9

1227	Association between heart rate variability, blood pressure and autonomic activity in cyclic alternating pattern during sleep. <b>2014</b> , 37, 187-94		18
1226	The effect of massage therapy on autonomic activity in critically ill children. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2014</b> , 2014, 656750	2-3	13
1225	The pursuit of happiness measurement: a psychometric model based on psychophysiological correlates. <b>2014</b> , 2014, 139128		5
1224	Autonomic arousal and experimentally induced pain: a critical review of the literature. <b>2014</b> , 19, 159-67		53
1223	High-wattage pulsed irradiation of linearly polarized near-infrared light to stellate ganglion area for burning mouth syndrome. <b>2014</b> , 2014, 171657		8
1222	Induced effects of transcranial magnetic stimulation on the autonomic nervous system and the cardiac rhythm. <b>2014</b> , 2014, 349718		10
1221	Arterial stiffness and cognitive function in the elderly. <b>2014</b> , 42 Suppl 4, S503-14		26
1220	Heart rate variability measured early in patients with evolving acute coronary syndrome and 1-year outcomes of rehospitalization and mortality. <b>2014</b> , 10, 451-64		24
1219	Auditory driving of the autonomic nervous system: Listening to theta-frequency binaural beats post-exercise increases parasympathetic activation and sympathetic withdrawal. <b>2014</b> , 5, 1248		28
1218	Major depressive disorder with melancholia displays robust alterations in resting state heart rate and its variability: implications for future morbidity and mortality. <b>2014</b> , 5, 1387		52
1217	Exposure to trauma-relevant pictures is associated with tachycardia in victims who had experienced an intense peritraumatic defensive response: the tonic immobility. <b>2014</b> , 5, 1514		6
1216	How to Calculate Renyi Entropy from Heart Rate Variability, and Why it Matters for Detecting Cardiac Autonomic Neuropathy. <b>2014</b> , 2, 34		26
1215	How much time has passed? Ask your heart. <b>2014</b> , 8, 15		21
1214	Fetal autonomic brain age scores, segmented heart rate variability analysis, and traditional short term variability. <b>2014</b> , 8, 948		17
1213	Inference of human affective states from psychophysiological measurements extracted under ecologically valid conditions. <b>2014</b> , 8, 286		21
1212	Combining and comparing EEG, peripheral physiology and eye-related measures for the assessment of mental workload. <b>2014</b> , 8, 322		125
1211	Sampling rate of heart rate variability impacts the ability to detect acidemia in ovine fetuses near-term. <i>Frontiers in Pediatrics</i> , <b>2014</b> , 2, 38	3-4	40
1210	Heart rate variability measurement and clinical depression in acute coronary syndrome patients: narrative review of recent literature. <b>2014</b> , 10, 1335-47		15

1209	Patients with chronic pain lack somatic markers during decision-making. <b>2014</b> , 7, 425-37		8
1208	Assessment of diabetic polyneuropathy and autonomic neuropathy using current perception threshold in korean patients with diabetes mellitus. <b>2014</b> , 38, 285-93		9
1207	Screening of autonomic neuropathy in patients with type 2 diabetes. <b>2014</b> , 38, 346-8		1
1206	Atrial fibrillation in patients with gastroesophageal reflux disease: a comprehensive review. <b>2014</b> , 20, 9592-9		21
1205	Fish consumption, sleep, daily functioning, and heart rate variability. <b>2014</b> , 10, 567-75		61
1204	Analysis of cardiac autonomic modulation of children with attention deficit hyperactivity disorder. <b>2014</b> , 10, 613-8		22
1203	Ivabradine improves heart rate variability in patients with nonischemic dilated cardiomyopathy. <i>Arquivos Brasileiros De Cardiologia</i> , <b>2014</b> , 103, 308-14	1.2	16
1202	Early detection of metabolic and energy disorders by thermal time series stochastic complexity analysis. <b>2014</b> , 47, 70-9		
1201	Impaired signaling intrinsic to sinoatrial node pacemaker cells affects heart rate variability during cardiac disease. <b>2014</b> , 4,		9
1200	The spectral analysis of photoplethysmography to evaluate an independent cardiovascular risk factor. <b>2014</b> , 7, 539-47		10
1199	Determinants of peak VO <sub>2</sub> in heart transplant recipients. <b>2015</b> , 30, 9-15		5
1198	Polysomnographic findings in a cohort of chronic insomnia patients with benzodiazepine abuse. <b>2014</b> , 10, 35-42		13
1197	Nonalcoholic fatty liver disease and aging: epidemiology to management. <b>2014</b> , 20, 14185-204		158
1196	Effects of stimulation by three-dimensional natural images on prefrontal cortex and autonomic nerve activity: a comparison with stimulation using two-dimensional images. <b>2014</b> , 15, 551-6		24
1195	A community study of the effect of polycyclic aromatic hydrocarbon metabolites on heart rate variability based on the Framingham risk score. <b>2014</b> , 71, 338-45		30
1194	Acute volume loading and exercise capacity in postural tachycardia syndrome. <b>2014</b> , 117, 663-8		20
1193	Autonomic control during acute hypoglycemia in type 1 diabetes mellitus. <b>2014</b> , 24, 275-83		17
1192	[Use of biomarkers in sepsis. Update and perspectives]. <b>2014</b> , 63, 678-90		6



1191	The Wuhan-Zhuhai (WHZH) cohort study of environmental air particulate matter and the pathogenesis of cardiopulmonary diseases: study design, methods and baseline characteristics of the cohort. <i>BMC Public Health</i> , <b>2014</b> , 14, 994	4.1	68
1190	Cardiovascular autonomic dysfunction and oxidative stress induced by fructose overload in an experimental model of hypertension and menopause. <i>BMC Cardiovascular Disorders</i> , <b>2014</b> , 14, 185	2.3	23
1189	Age-related reflex responses from peripheral and central chemoreceptors in healthy men. <b>2014</b> , 24, 285-96		12
1188	Cardiovascular disorders in anorexia nervosa and potential therapeutic targets. <b>2014</b> , 9, 717-21		13
1187	Acupuncture in subjects with cold hands sensation: study protocol for a randomized controlled trial. <b>2014</b> , 15, 348		2
1186	Multi-scale symbolic entropy analysis provides prognostic prediction in patients receiving extracorporeal life support. <b>2014</b> , 18, 548		26
1185	Cardiac autonomic responses induced by a single bout of exercise with flexible pole. <b>2014</b> , 7, 40		
1184	Impact of psychological distress on cardiovagal reactivation after a speech task. <b>2014</b> , 28, 399-401		1
1183	Glycogen synthase kinase-3 inhibition ameliorates cardiac parasympathetic dysfunction in type 1 diabetic Akita mice. <b>2014</b> , 63, 2097-113		15
1182	Bilateral hegu acupoints have the same effect on the heart rate variability of the healthy subjects. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2014</b> , 2014, 106940	2.3	6
1181	From the heart to the mind: cardiac vagal tone modulates top-down and bottom-up visual perception and attention to emotional stimuli. <b>2014</b> , 5, 278		158
1180	The influence of resistance exercise with emphasis on specific contractions (concentric vs. eccentric) on muscle strength and post-exercise autonomic modulation: a randomized clinical trial. <b>2014</b> , 18, 30-7		2
1179	Controlled exposures to air pollutants and risk of cardiac arrhythmia. <b>2014</b> , 122, 747-53		26
1178	Effects of cholinergic stimulation with pyridostigmine bromide on chronic chagasic cardiomyopathic mice. <b>2014</b> , 2014, 475946		5
1177	Influence of forest therapy on cardiovascular relaxation in young adults. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2014</b> , 2014, 834360	2.3	119
1176	Rationale and design of the Investigator-Steered Project on Intravascular Renal Denervation for Management of Drug-Resistant Hypertension (INSPIRED) trial. <b>2014</b> , 23, 138-46		12
1175	Cardiac autonomic dysfunction in type 2 diabetes - effect of hyperglycemia and disease duration. <b>2014</b> , 5, 130		38
1174	Vagal modulation of resting heart rate in rats: the role of stress, psychosocial factors, and physical exercise. <i>Frontiers in Physiology</i> , <b>2014</b> , 5, 118	4.6	54

1173	Effects of Nitrate Supplementation on Cardiovascular and Autonomic Reactivity in African-American Females. <b>2014</b> , 2014,		21
1172	Intra-QT spectral coherence as a possible noninvasive marker of sustained ventricular tachycardia. <i>BioMed Research International</i> , <b>2014</b> , 2014, 583035	3	11
1171	Effects of posteroanterior thoracic mobilization on heart rate variability and pain in women with fibromyalgia. <b>2014</b> , 2014, 898763		4
1170	The role of physical activity and heart rate variability for the control of work related stress. <i>Frontiers in Physiology</i> , <b>2014</b> , 5, 67	4.6	37
1169	Everything Hertz: methodological issues in short-term frequency-domain HRV. <i>Frontiers in Physiology</i> , <b>2014</b> , 5, 177	4.6	145
1168	Impact of CPAP on physical exercise tolerance and sympathetic-vagal balance in patients with chronic heart failure. <b>2014</b> , 18, 218-27		10
1167	Interplay between heart rate and its variability: a prognostic game. <i>Frontiers in Physiology</i> , <b>2014</b> , 5, 347	4.6	27
1166	Monitoring training status with HR measures: do all roads lead to Rome?. <i>Frontiers in Physiology</i> , <b>2014</b> , 5, 73	4.6	356
1165	Effect of acupuncture on heart rate variability: a systematic review. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2014</b> , 2014, 819871	2.3	31
1164	Brooding rumination and heart rate variability in women at high and low risk for depression: group differences and moderation by COMT genotype. <b>2014</b> , 123, 61-7		30
1163	Reduced heart rate variability is associated with worse cognitive performance in elderly Mexican Americans. <b>2014</b> , 63, 181-7		47
1162	A bihemispheric autonomic model for traumatic stress effects on health and behavior. <b>2014</b> , 5, 843		23
1161	Effect of yoga therapy on heart rate, blood pressure and cardiac autonomic function in heart failure. <b>2014</b> , 8, 14-6		33
1160	Progesterone and mental rotation task: is there any effect?. <i>BioMed Research International</i> , <b>2014</b> , 2014, 741758	3	6
1159	Oscillatory behavior of ventricular action potential duration in heart failure patients at respiratory rate and low frequency. <i>Frontiers in Physiology</i> , <b>2014</b> , 5, 414	4.6	33
1158	Anxiety Disorders are Associated with Reduced Heart Rate Variability: A Meta-Analysis. <i>Frontiers in Psychiatry</i> , <b>2014</b> , 5, 80	5	424
1157	Influence of regular exercise training on post-exercise hemodynamic regulation to orthostatic challenge. <i>Frontiers in Physiology</i> , <b>2014</b> , 5, 229	4.6	5
1156	Abnormal cardiac autonomic regulation in mice lacking ASIC3. <i>BioMed Research International</i> , <b>2014</b> , 2014, 709159	3	7

1155	Association between Information and Communication Technology Usage and the Quality of Sleep among School-Aged Children during a School Week. <b>2014</b> , 2014, 315808	7
1154	On site assessment of cardiac function and neural regulation in amateur half marathon runners. <b>2014</b> , 1, e000005	18
1153	Listening to Mozart K.448 decreases electroencephalography oscillatory power associated with an increase in sympathetic tone in adults: a post-intervention study. <b>2014</b> , 5, 2054270414551657	10
1152	Mild-to-moderate intensity exercise improves cardiac autonomic drive in type 2 diabetes. <b>2014</b> , 5, 722-7	11
1151	Postural tachycardia syndrome and inappropriate sinus tachycardia: role of autonomic modulation and sinus node automaticity. <b>2014</b> , 3, e000700	32
1150	Poor autonomic nervous system functioning during sleep in recently detoxified alcohol-dependent men and women. <b>2014</b> , 38, 1373-80	14
1149	A computational physiology approach to personalized treatment models: the beneficial effects of slow breathing on the human cardiovascular system. <b>2014</b> , 307, H1073-91	15
1148	Resting vagal tone and vagal response to stress: associations with anxiety, aggression, and perceived anxiety control among youths. <b>2014</b> , 51, 718-27	48
1147	Self-Regulatory Deficits Associated with Unpracticed Mindfulness Strategies for Coping with Acute Pain. <b>2014</b> , 44, 23-30	29
1146	Brief assessment of supine heart rate variability in normal weight, overweight, and obese females. <b>2014</b> , 19, 241-6	6
1145	Associations between insulin and heart rate variability in police officers. <b>2014</b> , 26, 56-63	11
1144	Attachment style and respiratory sinus arrhythmia predict post-treatment quality of life in breast cancer survivors. <b>2014</b> , 23, 820-6	20
1143	Heart rate variability and heart rate turbulence in patients with hematologic malignancies subjected to high-dose chemotherapy in the course of hematopoietic stem cell transplantation. <b>2014</b> , 19, 157-65	13
1142	Association of decreased sympathetic nervous activity with mortality of older adults in long-term care. <b>2014</b> , 14, 159-66	11
1141	Analysis of fetal heart rate variability in frequency domain: methodical considerations. <b>2014</b> , 99, 466-7	6
1140	Heart rate variability and procedural outcome in catheter ablation for atrial fibrillation. <b>2014</b> , 19, 23-33	16
1139	Obesity and the cardiovascular health effects of fine particulate air pollution. <b>2014</b> , 22, 1580-9	49
1138	Psychosocial and cardiac outcomes of yoga for ICD patients: a randomized clinical control trial. <b>2014</b> , 37, 48-62	39

1137	Relationship between cardiac function and resting cerebral blood flow: MRI measurements in healthy elderly subjects. <b>2014</b> , 34, 471-7		11
1136	Individual differences in physiologic measures are stable across repeated exposures to total sleep deprivation. <i>Physiological Reports</i> , <b>2014</b> , 2, e12129	2.6	22
1135	Physiological and psychological responses of young males during spring-time walks in urban parks. <b>2014</b> , 33, 8		79
1134	Biological pacemaker created by minimally invasive somatic reprogramming in pigs with complete heart block. <b>2014</b> , 6, 245ra94		119
1133	The circadian pattern of cardiac autonomic modulation and obesity in adolescents. <b>2014</b> , 24, 265-73		16
1132	A pilot study of brief heart rate variability biofeedback to reduce craving in young adult men receiving inpatient treatment for substance use disorders. <i>Applied Psychophysiology Biofeedback</i> , <b>2014</b> , 39, 181-92	3.4	47
1131	The influence of body mass index and outdoor temperature on the autonomic response to eating in healthy young Japanese women. <b>2014</b> , 3, 142		2
1130	Exposure to traffic-related air pollution during physical activity and acute changes in blood pressure, autonomic and micro-vascular function in women: a cross-over study. <b>2014</b> , 11, 70		100
1129	Respiratory sinus arrhythmia reactivity in current and remitted major depressive disorder. <b>2014</b> , 76, 66-73		58
1128	Estimating personal exposures from ambient air pollution measures: using meta-analysis to assess measurement error. <b>2014</b> , 25, 35-43		17
1127	Cardiovascular modulation and efficacy of aerobic exercise training in obese individuals. <b>2014</b> , 46, 369-75		9
1126	Posttraumatic stress, heart rate variability, and the mediating role of behavioral health risks. <b>2014</b> , 76, 629-37		55
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1124	Slow yogic breathing through right and left nostril influences sympathovagal balance, heart rate variability, and cardiovascular risks in young adults. <b>2014</b> , 6, 145-51		21
1123	Monitoring fetal heart rate during pregnancy: contributions from advanced signal processing and wearable technology. <b>2014</b> , 2014, 707581		47
1122	An android-based heart monitoring system for the elderly and for patients with heart disease. <b>2014</b> , 2014, 625156		23
1121	Relationship between autonomic nervous system function and continuous interstitial glucose measurement in patients with type 2 diabetes. <b>2014</b> , 2014, 835392		13
1120	A body shape index and heart rate variability in healthy Indians with low body mass index. <b>2014</b> , 2014, 865313		7

1119	Sleep disturbances and autonomic dysfunction in patients with postural orthostatic tachycardia syndrome. <b>2014</b> , 5, 118	34
1118	Ranolazine improves autonomic balance in heart failure when added to guideline-driven therapy. <b>2014</b> , 9, 59-65	6
1117	Cardiac autonomic testing and diagnosing heart disease. "A clinical perspective". <b>2014</b> , 9, 37-44	19
1116	Ranolazine preserves and improves left ventricular ejection fraction and autonomic measures when added to guideline-driven therapy in chronic heart failure. <b>2014</b> , 9, 66-73	18
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1114	Exercise training improves heart rate variability after methamphetamine dependency. <b>2014</b> , 46, 1057-66	39
1113	Heart rate recovery index in patients with psoriasis. <b>2014</b> , 23, 192	1
1112	Low maternal vitamin B12 status during pregnancy is associated with reduced heart rate variability indices in young children. <b>2014</b> , 10, 226-33	16
1111	Complexity-loss in fetal heart rate dynamics during labor as a potential biomarker of acidemia. <b>2014</b> , 90, 67-71	24
1110	Disruption of social bonds induces behavioral and physiological dysregulation in male and female prairie voles. <b>2014</b> , 180, 9-16	87
1109	Evaluation of techniques for estimating the power spectral density of RR-intervals under paced respiration conditions. <b>2014</b> , 28, 481-6	5
1108	Assessment of cardiac autonomic functions by heart rate recovery, heart rate variability and QT dynamicity parameters in patients with acromegaly. <b>2014</b> , 17, 163-70	13
1107	Heart rate and heart rate variability as indirect markers of surgeons' intraoperative stress. <b>2014</b> , 87, 165-74	50
1106	Suppressive effects of adaptive servo-ventilation on ventricular premature complexes with attenuation of sympathetic nervous activity in heart failure patients with sleep-disordered breathing. <b>2014</b> , 29, 470-7	21
1105	Frequency range extension of spectral analysis of pulse rate variability based on Hilbert-Huang transform. <b>2014</b> , 52, 343-51	14
1104	Cardiovascular control and stabilization via inclination and mobilization during bed rest. <b>2014</b> , 52, 53-64	11
1103	Noninvasive evaluation of cardiac autonomic modulation in children with primary Raynaud's phenomenon: a controlled study. <b>2014</b> , 33, 71-5	1
1102	Heart rate variability during exertional heat stress: effects of heat production and treatment. <b>2014</b> , 114, 785-92	15

1101	Cardiac electrical conduction, autonomic activity and biomarker release during recovery from prolonged strenuous exercise in trained male cyclists. <b>2014</b> , 114, 1-10	24
1100	Poincaré plot analysis of autocorrelation function of RR intervals in patients with acute myocardial infarction. <b>2014</b> , 28, 387-401	4
1099	Relationship between autonomic nervous system activity and bone mineral density in non-medicated perimenopausal women. <b>2014</b> , 32, 588-92	5
1098	Autonomic, behavioral and neuroendocrine correlates of paternal behavior in male prairie voles. <b>2014</b> , 128, 252-9	43
1097	Reliable real-time calculation of heart-rate complexity in critically ill patients using multiple noisy waveform sources. <b>2014</b> , 28, 123-31	5
1096	Application of heart-rate variability in patients undergoing weaning from mechanical ventilation. <b>2014</b> , 18, R21	22
1095	Effects of fluid overload on heart rate variability in chronic kidney disease patients on hemodialysis. <b>2014</b> , 15, 26	27
1094	Effect of hormone replacement therapy on cardiac autonomic modulation. <b>2014</b> , 24, 63-70	8
1093	Breathing frequency-independent effect of Tai Chi Chuan on autonomic modulation. <b>2014</b> , 24, 47-52	17
1092	Resting heart rate variability and heart rate recovery after submaximal exercise. <b>2014</b> , 24, 53-61	38
1091	Heart rate variability associates with asymptomatic coronary atherosclerosis. <b>2014</b> , 24, 31-7	19
1090	Changes in physical activity and heart rate variability in chronic neck-shoulder pain: monitoring during work and leisure time. <b>2014</b> , 87, 735-44	46
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1086	Exercise, heart rate variability, and longevity: the cocoon mystery?. <i>Circulation</i> , <b>2014</b> , 129, 2085-7	16.7 18
1085	The effects of caffeine on heart rate variability in newborns with apnea of prematurity. <b>2014</b> , 34, 620-3	15
1084	Characterization and reduction of cardiac- and respiratory-induced noise as a function of the sampling rate (TR) in fMRI. <b>2014</b> , 89, 314-30	24

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1081	Evidence for the role of isometric exercise training in reducing blood pressure: potential mechanisms and future directions. <b>2014</b> , 44, 345-56		97
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1079	Automatic zebrafish heartbeat detection and analysis for zebrafish embryos. <b>2014</b> , 11, 379-83		42
1078	Automated assessment of cardiac autonomic function by means of deceleration capacity from noisy, nonstationary ECG signals: validation study. <b>2014</b> , 19, 122-8		13
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1075	Diminished vagal tone is a predictive biomarker of necrotizing enterocolitis-risk in preterm infants. <b>2014</b> , 26, 832-40		40
1074	Physical activity and heart rate variability in older adults: the Cardiovascular Health Study. <i>Circulation</i> , <b>2014</b> , 129, 2100-10	16.7	113
1073	A novel quantitative method for diabetic cardiac autonomic neuropathy assessment in type 1 diabetic mice. <b>2014</b> , 8, 1157-67		11
1072	Robust efficiency and actuator saturation explain healthy heart rate control and variability. <b>2014</b> , 111, E3476-85		19
1071	Heart rate variability in encephalopathic newborns during and after therapeutic hypothermia. <b>2014</b> , 34, 836-41		41
1070	Association of hypertension status and cardiovascular risks with sympathovagal imbalance in first degree relatives of type 2 diabetics. <b>2014</b> , 5, 449-55		7
1069	The VITAH trial VITamin D supplementation and cardiac Autonomic tone in Hemodialysis: a blinded, randomized controlled trial. <b>2014</b> , 15, 129		7
1068	Prediction of adverse cardiac events in emergency department patients with chest pain using machine learning for variable selection. <b>2014</b> , 14, 75		46
1067	Fatigue correlates with the decrease in parasympathetic sinus modulation induced by a cognitive challenge. <b>2014</b> , 10, 25		22
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1064	The role of the parasympathetic nervous system in visually induced motion sickness: systematic review and meta-analysis. <b>2014</b> , 232, 2665-73	19
1063	Symptomatic arrhythmias due to syringomyelia-induced severe autonomic dysfunction. <b>2014</b> , 103, 839-45	1
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1061	Sleep onset is disrupted following pre-sleep exercise that causes large physiological excitement at bedtime. <b>2014</b> , 114, 1789-99	50
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1059	Effects of outdoor temperature on changes in physiological variables before and after lunch in healthy women. <b>2014</b> , 58, 1973-81	14
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1053	Autonomic blockade improves insulin sensitivity in obese subjects. <b>2014</b> , 64, 867-74	32
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1051	Automated detection of perinatal hypoxia using time-frequency-based heart rate variability features. <b>2014</b> , 52, 183-91	12
1050	Effect of respiration on Korotkoff sounds and oscillometric cuff pressure pulses during blood pressure measurement. <b>2014</b> , 52, 467-73	15
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1045	Associations of physical activity, fitness, and body composition with heart rate variability-based indicators of stress and recovery on workdays: a cross-sectional study. <b>2014</b> , 9, 16		53
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1025	Simulations of gravitational stress on normovolemic and hypovolemic men and women. <b>2014</b> , 85, 407-13		4
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757	Framework for selecting and benchmarking mobile devices in psychophysiological research. <b>2021</b> , 53, 518-535		4
756	Impact of evening alcohol consumption on nocturnal autonomic and cardiovascular function in adult men and women: a dose-response laboratory investigation. <b>2021</b> , 44,		4
755	Association of cardiac autonomic dysfunction with higher levels of plasma lipid metabolites in recent-onset type 2 diabetes. <b>2021</b> , 64, 458-468		5
754	Fragmented sinoatrial dynamics in the prediction of atrial fibrillation: the Multi-Ethnic Study of Atherosclerosis. <b>2021</b> , 320, H256-H271		2
753	Heart rate variability feature selection method for automated prediction of sudden cardiac death. <b>2021</b> , 65, 102310		7
752	Association of physical activity metrics with indicators of cardiovascular function and control in children with and without type 1 diabetes. <b>2021</b> , 22, 320-328		1
751	Rapid glucose rise reduces heart rate variability in adults with type 1 diabetes: A prospective secondary outcome analysis. <b>2021</b> , 23, 1681-1684		4
750	Evaluation of heart rate variability using 24-hour Holter electrocardiography in hypertensive patients. <b>2021</b> , 37, 157-164		1
749	Stress and anxiety in nursing students between individual and peer simulations. <b>2021</b> , 8, 776-783		0
748	Redundancy among risk predictors derived from heart rate variability and dynamics: ALLSTAR big data analysis. <b>2021</b> , 26, e12790		8
747	Effects of a HIIT Protocol on Cardiovascular Risk Factors in a Type 1 Diabetes Mellitus Population. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	3
746	Differential Effects of Sound Intervention and Rest on Cardiovascular Parameters in Cancer Patients: A Randomized Cross-over Trial. <i>Integrative Cancer Therapies</i> , <b>2021</b> , 20, 1534735421995239	3	0
745	Prescription opioid misusers exhibit blunted parasympathetic regulation during inhibitory control challenge. <b>2021</b> , 238, 765-774		2
744	Hemodynamics and cardiac autonomic modulation after an acute concurrent exercise circuit in older individuals with pre- to established hypertension. <b>2021</b> , 76, e1971		2
743	Heart rate variability during wakefulness as a marker of obstructive sleep apnea severity. <b>2021</b> , 44,		12
742	Robust Estimation of Respiratory Variability Uncovers Correlates of Limbic Brain Activity and Transcutaneous Cervical Vagus Nerve Stimulation in the Context of Traumatic Stress. <b>2021</b> , PP,		3

741	Cardiac sensory afferents modulate susceptibility to anxio-depressive behaviour in a mouse model of chronic heart failure. <b>2021</b> , 231, e13601		2
740	Effect of head down tilt on heart rate variability. <b>2021</b> , 10, 439-442		0
739	Multicomponent exercise training in cardiovascular complexity in prefrail older adults: a randomized blinded clinical pilot study. <b>2021</b> , 54, e10794		0
738	The prevalence of orthostatic dysregulation among newly graduated female nurses after employment and its associations with autonomic nervous function, stress, and depressive symptoms. <b>2021</b> , 9, 20503121211012180		0
737	Complexity Measures of Heart-Rate Variability in Amyotrophic Lateral Sclerosis with Alternative Pulmonary Capacities. <b>2021</b> , 23,		1
736	Important differences between hypertensive middle-aged women and men in cardiovascular autonomic control-a critical appraisal. <b>2021</b> , 12, 11		4
735	Cardiovascular Physiotherapy on Respiratory Sinus Arrhythmia of Patients Undergoing Coronary Artery Bypass Grafting. <b>2021</b> , 36, 424-428		
734	Birth weight and heart rate autonomic recovery following exercise in healthy term-born adults. <b>2021</b> , 11, 1192		
733	HIIT Models in Addition to Training Load and Heart Rate Variability Are Related With Physiological and Performance Adaptations After 10-Weeks of Training in Young Futsal Players. <b>2021</b> , 12, 636153		1
732	A Multi-Class Automatic Sleep Staging Method Based on Photoplethysmography Signals. <b>2021</b> , 23,		4
731	Stress Analysis Based on Simultaneous Heart Rate Variability and EEG Monitoring. <b>2021</b> , 9, 2700607		2
730	Cardiac autonomic modulation during yoga postures and cycling: An "acute State Effect" 64, 229-235		
729	Comparison Between Conventional Intervention and Non-immersive Virtual Reality in the Rehabilitation of Individuals in an Inpatient Unit for the Treatment of COVID-19: A Study Protocol for a Randomized Controlled Crossover Trial. <b>2021</b> , 12, 622618		4
728	Sleep Indices and Cardiac Autonomic Activity Responses during an International Tournament in a Youth National Soccer Team. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	6
727	Study of heart rate recovery and cardiovascular autonomic modulation in healthy participants after submaximal exercise. <b>2021</b> , 11, 3620		3
726	Heart Rate Dynamics During Acute Recovery From Maximal Aerobic Exercise in Young Adults. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 627320	4.6	2
725	Association between Serum Adiponectin and Atrial Fibrillation: A Case-Control Study Stratified by Age and Gender. <b>2021</b> , 2021, 6633948		0
724	Hypoxic Respiratory Chemoreflex Control in Young Trained Swimmers. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 632603	4.6	2

723	Postural Changes on Heart Rate Variability among Older Population: A Preliminary Study. <b>2021</b> , 2021, 6611479		1
722	An interoceptive basis for alcohol priming effects. <b>2021</b> , 238, 1621-1631		4
721	Abdominothoracic Postural Tone Influences the Sensations Induced by Meal Ingestion. <b>2021</b> , 13,		1
720	Z-score neurofeedback, heart rate variability biofeedback, and brain coaching for older adults with memory concerns. <b>2021</b> , 39, 9-37		0
719	Heart Rate Variability and Physical Demands of In-Season Youth Elite Soccer Players. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	1
718	Nicotine supplementation enhances simulated game performance of archery athletes. <b>2021</b> , 18, 16		1
717	Lack of association between heart period variability asymmetry and respiratory sinus arrhythmia in healthy and chronic heart failure individuals. <i>PLoS ONE</i> , <b>2021</b> , 16, e0247145	3.7	1
716	Classification of Drivers' Workload Using Physiological Signals in Conditional Automation. <b>2021</b> , 12, 596038		8
715	Maternal dynamic respiratory sinus arrhythmia during toddlers' interactions with novelty. <b>2021</b> , 26, 388-408		0
714	The Utility of Physiological Measures in Assessing the Empathic Skills of Incarcerated Violent Offenders. <b>2022</b> , 66, 98-122		1
713	Effect of physical exercise in bariatric surgery patients: protocol of a randomized controlled clinical trial. <b>2021</b> , 22, 107		
712	Contactless analysis of heart rate variability during cold pressor test using radar interferometry and bidirectional LSTM networks. <b>2021</b> , 11, 3025		7
711	Agreement of Ultra-Short-Term Heart Rate Variability Recordings During Overseas Training Camps in Under-20 National Futsal Players. <b>2021</b> , 12, 621399		2
710	HRVCam: robust camera-based measurement of heart rate variability. <b>2021</b> , 26,		10
709	Supramaximal-Exercise Training Improves Heart Rate Variability in Association With Reduced Catecholamine in Obese Adults. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 654695	4.6	1
708	Beat-to-beat blood pressure variability in patients with obstructive sleep apnea. <b>2021</b> , 17, 381-392		1
707	A Machine Learning Approach to Monitor the Emergence of Late Intrauterine Growth Restriction. <b>2021</b> , 4, 622616		3
706	Phasic heart rate variability and the association with cognitive performance: A cross-sectional study in a healthy population setting. <i>PLoS ONE</i> , <b>2021</b> , 16, e0246968	3.7	2

705	Compassion Is Not a Benzo: Distinctive Associations of Heart Rate Variability With Its Empathic and Action Components. <b>2021</b> , 15, 617443		6
704	Association of Psychosocial Factors With Short-Term Resting Heart Rate Variability: The Atherosclerosis Risk in Communities Study. <b>2021</b> , 10, e017172		4
703	A pilot study on exertional tasks with physiological measures designed for the assessment of military concussion. <b>2021</b> , 6, CNC88		
702	Autonomic Nervous System Response to Psychosocial Stress in Anorexia Nervosa: A Cross-Sectional and Controlled Study. <b>2021</b> , 12, 649848		0
701	Symbolic Analysis of the Heart Rate Variability During the Plateau Phase Following Maximal Sprint Exercise. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 632883	4.6	2
700	Autonomic Function in Patients With Parkinson's Disease: From Rest to Exercise. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 626640	4.6	1
699	Eligibility Classification as a Factor in Understanding Student-Athlete Responses to Collegiate Volleyball Competition. <b>2021</b> , 9,		1
698	The Cholinergic Drug Galantamine Alleviates Oxidative Stress Alongside Anti-inflammatory and Cardio-Metabolic Effects in Subjects With the Metabolic Syndrome in a Randomized Trial. <b>2021</b> , 12, 613979		2
697	PCIT engagement and persistence among child welfare-involved families: Associations with harsh parenting, physiological reactivity, and social cognitive processes at intake. <b>2021</b> , 1-18		1
696	Sex-Specific Autonomic Responses to Acute Resistance Exercise. <b>2021</b> , 57,		1
695	Heart Rate Variability Monitoring during Interferential Current Application in the Lower Back Area: A Cross-Sectional Study. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	2
694	Is Ultra-Short-Term Heart Rate Variability Valid in Non-static Conditions?. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 596060	4.6	4
693	Effect of Workstation Type on the Relationship Between Fatigue, Physical Activity, Stress, and Sleep. <b>2021</b> , 63, e103-e110		1
692	Feasibility of combining heart rate variability and electrochemical skin conductance as screening and severity evaluation of cardiovascular autonomic neuropathy in type 2 diabetes. <b>2021</b> , 12, 1671-1679		1
691	Performance of the Surgical Pleth Index and Analgesia Nociception Index in Healthy Volunteers and Parturients. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 554026	4.6	0
690	Normative data and gender differences in heart rate variability in the healthy young individuals aged 18-30 years, a South Indian cross-sectional study. <b>2021</b> , 21, 112-119		2
689	Neural Responses to Heartbeats Detect Residual Signs of Consciousness during Resting State in Postcomatose Patients. <b>2021</b> , 41, 5251-5262		8
688	Altered Heart Rate Variability in Patients With Schizophrenia During an Autonomic Nervous Test. <i>Frontiers in Psychiatry</i> , <b>2021</b> , 12, 626991	5	3

687	Linear and non linear measures of pupil size as a function of hypnotizability. <b>2021</b> , 11, 5196		1
686	Prescribed exercise to Reduce Recidivism After Weight Loss-Pilot (PREVAIL-P): Design, methods and rationale. <b>2021</b> , 21, 100717		0
685	A Persistent Homology Approach to Heart Rate Variability Analysis With an Application to Sleep-Wake Classification. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 637684	4.6	9
684	Aging steepens the slope of power spectrum density of 30-minute continuous blood pressure recording in healthy human subjects. <i>PLoS ONE</i> , <b>2021</b> , 16, e0248428	3.7	2
683	Response of the Cardiac Autonomic Control to Exposure to Nanoparticles and Noise: A Cross-Sectional Study of Airport Ground Staff. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	2
682	Physiological Sympathetic Activation Reduces Systemic Inflammation: Role of Baroreflex and Chemoreflex. <b>2021</b> , 12, 637845		1
681	Association between postsurgical pain and heart rate variability: protocol for a scoping review. <i>BMJ Open</i> , <b>2021</b> , 11, e044949	3	1
680	Effect of Brain and Pulse Waves on Safety Consciousness and Safety Commitment of Workers at Construction Sites. <i>Sensors</i> , <b>2021</b> , 21,	3.8	1
679	The effects of competitive and interactive play on physiological state in professional esports players. <b>2021</b> , 7, e06844		4
678	Audio Described vs. Audiovisual Porn: Cortisol, Heart Rate and Engagement in Visually Impaired vs. Sighted Participants. <b>2021</b> , 12, 661452		1
677	Effects of Circuit Weight-Interval Training on Physical Fitness, Cardiac Autonomic Control, and Quality of Life in Sedentary Workers. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	0
676	Transfer learning from ECG to PPG for improved sleep staging from wrist-worn wearables. <b>2021</b> ,		3
675	Effect of Line-Magnet Stimulation on HRV: A Double-Blind, Randomized, Crossover Trial. <b>2021</b> , 9,		
674	Physiologic Characteristics of Hyperosmolar Therapy After Pediatric Traumatic Brain Injury. <b>2021</b> , 12, 662089		1
673	Effect of the combination of automated peripheral mechanical stimulation and physical exercise on aerobic functional capacity and cardiac autonomic control in patients with Parkinson's disease: a randomized clinical trial protocol. <b>2021</b> , 22, 250		
672	Effects of Acute Microcurrent Electrical Stimulation on Muscle Function and Subsequent Recovery Strategy. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	2
671	Obesity, Nutrition and Heart Rate Variability. <b>2021</b> , 22,		6
670	Analyzing the Loss and the Recovery of Consciousness: Functional Connectivity Patterns and Changes in Heart Rate Variability During Propofol-Induced Anesthesia. <b>2021</b> , 15, 652080		2

669	The Herbal Formula CWBSD Improves Sleep Quality Dependent on Oral Microbial Type and Tongue Diagnostic Features in Insomnia. <b>2021</b> , 11,		1
668	Heart-Rate Variability Recording Time and Performance in Collegiate Female Rowers. <b>2021</b> , 16, 550-556		1
667	Parent-Infant Skin-to-Skin Contact and Stress Regulation: A Systematic Review of the Literature. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	9
666	Electrophysiological Brain-Cardiac Coupling in Train Drivers during Monotonous Driving. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	0
665	ActiGraph and Short-term Heart Rate Variability Study Protocol: Amended for the COVID-19 Pandemic. <b>2021</b> , 36, 599-608		1
664	Heart Rate Changes Before, During, and After Treadmill Walking Exercise in Normal Dogs. <b>2021</b> , 8, 641871		0
663	Monitoring Individual Sleep and Nocturnal Heart Rate Variability Indices: The Impact of Training and Match Schedule and Load in High-Level Female Soccer Players. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 678462	4.6	6
662	Effects of Different Training Interventions on Heart Rate Variability and Cardiovascular Health and Risk Factors in Young and Middle-Aged Adults: A Systematic Review. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 657274	4.6	14
661	Autonomic nervous system dysfunction in schizophrenia: impact on cognitive and metabolic health. <b>2021</b> , 7, 22		7
660	Psychological and Physiological Features Associated with Swimming Performance. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	2
659	A Close Examination of the Use of Systolic Time Intervals in the Calculation of Impedance Derived Cardiac Autonomic Balance and Regulation. <b>2021</b> , 15, 625276		0
658	Effects of Respiratory Muscle Training on Baroreflex Sensitivity, Respiratory Function, and Serum Oxidative Stress in Acute Cervical Spinal Cord Injury. <b>2021</b> , 11,		1
657	Influence of Ectopic Beats on Heart Rate Variability Analysis. <b>2021</b> , 23,		2
656	Exploring the Association between Sleep Quality and Heart Rate Variability among Female Nurses. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	1
655	Sugar-sweetened soft drink consumption acutely decreases spontaneous baroreflex sensitivity and heart rate variability. <b>2021</b> , 320, R641-R652		2
654	Chronic perinatal hypoxia delays cardiac maturation in a mouse model for cyanotic congenital heart disease. <b>2021</b> , 320, H1873-H1886		0
653	The influence of cardiac rehabilitation on heart rate variability indices in men with type 2 diabetes and coronary artery disease. <b>2021</b> , 18, 14791641211020184		
652	A Review of Inflammatory Bowel Disease: A Model of Microbial, Immune and Neuropsychological Integration. <b>2021</b> , 42, 1603990		6

651	The Cardiovascular Conundrum in Ethnic and Sexual Minorities: A Potential Biomarker of Constant Coping With Discrimination. <b>2021</b> , 15, 619171		3
650	Sympathovagal imbalance decades after atrial septal defect repair: a long-term follow-up study. <b>2021</b> ,		0
649	Pulsed Infrared Stimulation of Vertical Semicircular Canals Evokes Cardiovascular Changes in the Rat. <b>2021</b> , 12, 680044		0
648	Higher cardiac vagal activity predicts lower peripheral resistance 6 years later in European but not African Americans. <b>2021</b> , 320, H2058-H2065		
647	Age-Related Changes in Cardiac Autonomic Modulation and Heart Rate Variability in Mice. <b>2021</b> , 15, 617698		2
646	Effect of exercise training on heart rate variability in type 2 diabetes mellitus patients: A systematic review and meta-analysis. <i>PLoS ONE</i> , <b>2021</b> , 16, e0251863	3.7	9
645	In exogenous attention, time is the clue: Brain and heart interactions to survive threatening stimuli. <i>PLoS ONE</i> , <b>2021</b> , 16, e0243117	3.7	1
644	Association of Heart Rate Variability With Silent Brain Infarcts in Patients With Atrial Fibrillation. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 684461	5.4	1
643	Heart Rate Variability Reactivity to Food Image Stimuli is Associated with Body Mass Index. <i>Applied Psychophysiology Biofeedback</i> , <b>2021</b> , 46, 271-277	3.4	2
642	Repeated Exposure to Illusory Sense of Body Ownership and Agency Over a Moving Virtual Body Improves Executive Functioning and Increases Prefrontal Cortex Activity in the Elderly. <b>2021</b> , 15, 674326		7
641	The Association Between Heart Rate Variability and 90-Day Prognosis in Patients With Transient Ischemic Attack and Minor Stroke. <b>2021</b> , 12, 636474		0
640	Novel Methodological Tools for Behavioral Interventions: The Case of HRV-Biofeedback. Sham Control and Quantitative Physiology-Based Assessment of Training Quality and Fidelity. <i>Sensors</i> , <b>2021</b> , 21,	3.8	1
639	Multimodal measurement approach to identify individuals with mild cognitive impairment: study protocol for a cross-sectional trial. <i>BMJ Open</i> , <b>2021</b> , 11, e046879	3	2
638	Differential effects of the blood pressure state on pulse rate variability and heart rate variability in critically ill patients. <b>2021</b> , 4, 82		5
637	Effectiveness of Self-Guided Virtual Reality-Based Cognitive Behavioral Therapy for Panic Disorder: Randomized Controlled Trial. <b>2021</b> , 8, e30590		1
636	Entropy and Multifractal-Multiscale Indices of Heart Rate Time Series to Evaluate Intricate Cognitive-Autonomic Interactions. <b>2021</b> , 23,		1
635	Different Impact of Heart Rate Variability in the Deep Cerebral and Central Hemodynamics at Rest: An Investigation. <b>2021</b> , 15, 600574		
634	Four Weeks of Detraining Induced by COVID-19 Reverse Cardiac Improvements from Eight Weeks of Fitness-Dance Training in Older Adults with Mild Cognitive Impairment. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	3

633	Cardiac Parasympathetic Withdrawal and Sympathetic Activity: Effect of Heat Exposure on Heart Rate Variability. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	2
632	Is There Association between Altered Adrenergic System Activity and Microvascular Endothelial Dysfunction Induced by a 7-Day High Salt Intake in Young Healthy Individuals. <b>2021</b> , 13,		1
631	A correlation study of beat-to-beat R-R intervals and pulse arrival time under natural state and cold stimulation. <b>2021</b> , 11, 11215		4
630	Increased blood alpha-carotene, all-trans-Beta-carotene and lycopene levels are associated with beneficial changes in heart rate variability: a CVD-stratified analysis in an adult population-based study. <b>2021</b> , 20, 43		1
629	Cardiac Autonomic Response to Active Standing in Calcific Aortic Valve Stenosis. <b>2021</b> , 10,		1
628	Low ventilatory responsiveness to transient hypoxia or breath-holding predicts fast marathon performance in healthy middle-aged and older men. <b>2021</b> , 11, 10255		
627	Heart Rate Variability, Time Estimation and Internet-Dependent Behaviour in 16-17-Year-Old Adolescents: A Study in Russian Arctic. <b>2021</b> , 11,		2
626	Randomized Sham-Controlled Pilot Study of Neurocardiac Function in Patients With Acute Ischaemic Stroke Undergoing Heart Rate Variability Biofeedback. <b>2021</b> , 12, 669843		0
625	Does Eligibility Classification Matter? Tracking Cardiac Autonomic Function during a Collegiate Soccer Season. <b>2021</b> , 9,		
624	Heart rate variability in late pregnancy: exploration of distinctive patterns in relation to maternal mental health. <b>2021</b> , 11, 286		4
623	Assessment of human fetal cardiac autonomic nervous system development using color tissue Doppler imaging. <b>2021</b> , 38, 974-981		3
622	Real-life dental examination elicits physiological responses different to visual and auditory dental-related stimuli. <i>PLoS ONE</i> , <b>2021</b> , 16, e0252128	3.7	0
621	Sleep-time physiological recovery is associated with eating habits in distressed working-age Finns' with overweight: secondary analysis of a randomised controlled trial. <b>2021</b> , 16, 23		0
620	Impact of acute ethanol intake on cardiac autonomic regulation. <b>2021</b> , 11, 13255		0
619	Biomarker-Informed Machine Learning Model of Cognitive Fatigue from a Heart Rate Response Perspective. <i>Sensors</i> , <b>2021</b> , 21,	3.8	1
618	Describing heart rate variability in patients with chronic atrial fibrillation during hospitalization for COVID-19. <b>2021</b> , 37, 893-898		0
617	Low-frequency component of photoplethysmogram reflects the autonomic control of blood pressure. <b>2021</b> , 120, 2657-2664		10
616	Autonomic biomarkers of shock in idiopathic systemic capillary leak syndrome. <i>PLoS ONE</i> , <b>2021</b> , 16, e02531775		



615	Multidimensional Assessment of Interoceptive Abilities, Emotion Processing and the Role of Early Life Stress in Inflammatory Bowel Diseases. <i>Frontiers in Psychiatry</i> , <b>2021</b> , 12, 680878	5	1
614	Perceiving utilitarian gradients: Heart rate variability and self-regulatory effort in the moral dilemma task. <b>2021</b> , 16, 391-405		
613	Autonomic Imbalance and Risk of Dementia and Stroke: The Framingham Study. <b>2021</b> , 52, 2068-2076		0
612	Dynamics of Affective Habituation to Touch Differ on the Group and Individual Level. <b>2021</b> , 464, 44-52		4
611	Gaussian process-based kernel as a diagnostic model for prediction of type 2 diabetes mellitus risk using non-linear heart rate variability features. <b>2021</b> , 11, 273-286		3
610	Sympathetic predominance before tourniquet deflation is associated with a reduction in arterial blood pressure after tourniquet deflation during total knee arthroplasty. <b>2021</b> , 70, 401-412		0
609	Comparing Ictal Cardiac Autonomic Changes in Patients with Frontal Lobe Epilepsy and Temporal Lobe Epilepsy by Ultra-Short-Term Heart Rate Variability Analysis. <b>2021</b> , 57,		1
608	The Value of Heart Rhythm Complexity in Identifying High-Risk Pulmonary Hypertension Patients. <b>2021</b> , 23,		
607	Lorenz Plot Analysis in Dogs with Sinus Rhythm and Tachyarrhythmias. <b>2021</b> , 11,		1
606	Autonomic and cholinergic mechanisms mediating cardiovascular and temperature effects of donepezil in conscious mice. <b>2021</b> , 320, R871-R884		0
605	Identification of a population of peripheral sensory neurons that regulates blood pressure. <b>2021</b> , 35, 109191		3
604	Validation of a Low-Cost Electrocardiography (ECG) System for Psychophysiological Research. <i>Sensors</i> , <b>2021</b> , 21,	3.8	1
603	Diagnosis and prevention of the vasodepressor type of neurally mediated syncope in Japanese patients. <i>PLoS ONE</i> , <b>2021</b> , 16, e0251450	3.7	1
602	Heart Rate Variability in Psychology: A Review of HRV Indices and an Analysis Tutorial. <i>Sensors</i> , <b>2021</b> , 21,	3.8	7
601	Cardiac autonomic function and cognitive performance in patients with atrial fibrillation. <b>2021</b> , 1		1
600	Assessment of Autonomic Nervous System Dysfunction in the Early Phase of Infection With SARS-CoV-2 Virus. <b>2021</b> , 15, 640835		5
599	Association between nocturnal activity of the sympathetic nervous system and cognitive dysfunction in obstructive sleep apnoea. <b>2021</b> , 11, 11990		4
598	Sounds of Silence in Times of COVID-19: Distress and Loss of Cardiac Coherence in People With Misophonia Caused by Real, Imagined or Evoked Triggering Sounds. <i>Frontiers in Psychiatry</i> , <b>2021</b> , 12, 638949	5	1

597	Commentary: Photoplethysmography for Quantitative Assessment of Sympathetic Nerve Activity (SNA) During Cold Stress. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 602745	4.6	0
596	Cardiovascular autonomic neuropathy in diabetes: Pathophysiology, clinical assessment and implications. <b>2021</b> , 12, 855-867		4
595	Paradoxical effect of cumulative stress exposure on information processing speed in Hispanics/Latinos with elevated heart rate variability. <b>2021</b> , 164, 1-8		0
594	Differences in Hemodynamic, Hormonal and Heart Rate Variability Parameters in Complication-Free Pregnancies Compared to Individuals with Gestational Diabetes Mellitus and Preeclampsia: An Observational Retrospective Analysis. <b>2021</b> , 11,		
593	Effects of Heat Stress on Heart Rate Variability in Free-Moving Sheep and Goats Assessed With Correction for Physical Activity. <b>2021</b> , 8, 658763		0
592	The Different Facets of Heart Rate Variability in Obstructive Sleep Apnea. <i>Frontiers in Psychiatry</i> , <b>2021</b> , 12, 642333	5	5
591	Can Reactivity of Heart Rate Variability Be a Potential Biomarker and Monitoring Tool to Promote Healthy Aging? A Systematic Review With Meta-Analyses. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 686129	4.6	2
590	Characteristics of cardiovascular autonomic dysfunction and association with quality of life in patients with systemic lupus erythematosus. <b>2021</b> , 8,		1
589	Twenty-Four-Hour Heart Rate Is a Trait but Not State Marker for Depression in a Pilot Randomized Controlled Trial With a Single Infusion of Ketamine. <i>Frontiers in Psychiatry</i> , <b>2021</b> , 12, 696170	5	3
588	Recognizing emotions in bodies: Vagus nerve stimulation enhances recognition of anger while impairing sadness. <b>2021</b> , 21, 1246-1261		2
587	Imbalance Model of Heart Rate Variability and Pulse Wave Velocity in Psychotic and Nonpsychotic Disorders. <b>2021</b> ,		1
586	Heart Rate Variability as an Early Objective Indicator of Subjective Feeling of Depression in Daily Life. <b>2021</b> , 27, 249-254		1
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557	Maternal Serotonin Reuptake Inhibitor Antidepressants Have Acute Effects on Fetal Heart Rate Variability in Late Gestation. <i>Frontiers in Psychiatry</i> , <b>2021</b> , 12, 680177	5	0
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541	Heart Rate Variability Features as Predictors of Intermittent Theta-Burst Stimulation Response in Posttraumatic Stress Disorder. <b>2021</b> ,			1
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156	Evaluation of Stress Levels of Trainee Cardiac Surgery Residents during Training Interventions Using Physiological Stress Parameters. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	1
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150	The effect of whole-body high-intensity interval training on heart rate variability in insufficiently active adults.. <b>2022</b> , 20, 48-53		0
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135	Applying Noncontact Sensing Technology in the Customized Product Design of Smart Clothes Based on Anthropometry. <i>Sensors</i> , <b>2021</b> , 21,	3.8	0
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131	Cardiovascular Autonomic Function Tests in Patients of Obsessive-Compulsive Disorder: A Cross-Sectional Study.. <b>2022</b> , 44, 30-36		1
130	Nature in virtual reality improves mood and reduces stress: evidence from young adults and senior citizens. <b>2021</b> , 1-16		2

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125	Impact of sodium-glucose co-transporter inhibitors on cardiac autonomic function and mortality: no time to die.. <b>2022</b> ,		1
124	Evaluation of nocturnal vs. morning measures of heart rate indices in young athletes.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0262333	3.7	0
123	Influence of Nicotine from Diverse Delivery Tools on the Autonomic Nervous and Hormonal Systems.. <b>2022</b> , 10,		1
122	Evaluation of Local Skeletal Muscle Blood Flow in Manipulative Therapy by Diffuse Correlation Spectroscopy.. <b>2021</b> , 9, 800051		
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120	Using 24-h Heart Rate Variability to Investigate the Sleep Quality and Depression Symptoms of Medical Students.. <i>Frontiers in Psychiatry</i> , <b>2021</b> , 12, 781673	5	1
119	The influence of light on the beat rate variability of murine embryonic stem cell derived cardiomyocytes.. <b>2021</b> , 146, 112589		0
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116	Relationship Between Heart Rate Variability and Pulse Rate Variability Measures in Patients After Coronary Artery Bypass Graft Surgery.. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 749297	5.4	
115	A Real-Time PPG Peak Detection Method for Accurate Determination of Heart Rate during Sinus Rhythm and Cardiac Arrhythmia.. <b>2022</b> , 12,		3
114	Identification of Mineralocorticoid Receptors, Aldosterone, and Its Processing Enzyme CYP11B2 on Parasympathetic and Sympathetic Neurons in Rat Intracardiac Ganglia.. <b>2021</b> , 15, 802359		1
113	Synchronization of the Processes of Autonomic Control of Blood Circulation in Humans Is Different in the Awake State and in Sleep Stages.. <b>2021</b> , 15, 791510		0
112	Anthropometric Determinants of Respiratory Sinus Arrhythmia in Children.. <i>International Journal of Environmental Research and Public Health</i> , <b>2022</b> , 19,	4.6	

111	Blood pressure and cardiac autonomic adaptations to isometric exercise training: A randomized sham-controlled study.. <i>Physiological Reports</i> , <b>2022</b> , 10, e15112	2.6	1
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109	Heart rate variability and heart rate monitoring of nurses using PPG and ECG signals during working condition: A pilot study.. <b>2022</b> , 5, e477		0
108	Breaking Barriers in Emerging Biomedical Applications.. <b>2022</b> , 24,		1
107	Early life stress and autonomic response to acute mental stress in individuals with coronary heart disease.. <b>2022</b> ,		
106	A Novel Clinical Method for Detecting Obstructive Sleep Apnea using of Nonlinear Mapping.. <b>2022</b> , 12, 31-34		0
105	Heart rate variability and cardiac autonomic functions in post-COVID period.. <b>2022</b> , 1		5
104	Heightened autonomic reactivity to negative affective stimuli among active duty soldiers with PTSD and opioid-treated chronic pain.. <b>2022</b> , 309, 114394		
103	Different acquisition systems for heart rate variability analysis may lead to diverse outcomes.. <b>2022</b> , 55, e11720		0
102	The Indices of Instantaneous Pulse Rate Variability Are Indicators for Daily Life Quality Assessment in Patients with COPD.. <b>2022</b> , 2022, 6103305		
101	Association between circadian variation of heart rate and mortality among critically ill patients: a retrospective cohort study.. <b>2022</b> , 22, 45		
100	Review of Perioperative Music Medicine: Mechanisms of Pain and Stress Reduction Around Surgery.. <i>Frontiers in Medicine</i> , <b>2022</b> , 9, 821022	4.9	0
99	Recurrence Quantitative Analysis of Wavelet-Based Surrogate Data for Nonlinearity Testing in Heart Rate Variability.. <i>Frontiers in Physiology</i> , <b>2022</b> , 13, 807250	4.6	0
98	Cardiodiagnostics Based on Photoplethysmographic Signals.. <b>2022</b> , 12,		1
97	Ambulatory electrocardiography, heart rate variability, and pharmacologic stress testing in cats with subclinical hypertrophic cardiomyopathy.. <b>2022</b> , 12, 1963		0
96	Degraded Psychophysiological Status in Caregivers and Human Resources Staff during a COVID-19 Peak Unveiled by Psychological and HRV Testing at Workplace.. <i>International Journal of Environmental Research and Public Health</i> , <b>2022</b> , 19,	4.6	
95	Concurrent Evolution of Biomechanical and Physiological Parameters With Running-Induced Acute Fatigue.. <i>Frontiers in Physiology</i> , <b>2022</b> , 13, 814172	4.6	0
94	Assessing Workplace Stress Among Nurses Using Heart Rate Variability Analysis With Wearable ECG Device-A Pilot Study.. <b>2021</b> , 9, 810577		1

93	Reduced System Complexity of Heart Rate Dynamics in Patients with Hyperthyroidism: A Multiscale Entropy Analysis.. <b>2022</b> , 24,		
92	Mixed Reality-Based Interaction between Human and Virtual Cat for Mental Stress Management.. <i>Sensors</i> , <b>2022</b> , 22,	3.8	1
91	Rhythmicity in heart rate and its surges usher a special period of sleep, a likely home for PGO waves.. <b>2022</b> , 5, 118-141		0
90	Sleep physiological network analysis in children.. <b>2022</b> , 15, 215-223		
89	Secure Attachment Representation in Adolescence Buffers Heart-Rate Reactivity in Response to Attachment-Related Stressors.. <b>2022</b> , 16, 806987		0
88	Machine Learning Using a Single-Lead ECG to Identify Patients With Atrial Fibrillation-Induced Heart Failure.. <i>Frontiers in Cardiovascular Medicine</i> , <b>2022</b> , 9, 812719	5.4	
87	Differences in the Course of Physiological Functions and in Subjective Evaluations in Connection With Listening to the Sound of a Chainsaw and to the Sounds of a Forest.. <b>2022</b> , 13, 775173		0
86	Postexercise hypotension and heart rate variability response after water- and land-based high-intensity interval exercise in prehypertensive obese men.. <i>Journal of Exercise Rehabilitation</i> , <b>2022</b> , 18, 57-67	1.8	0
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84	Gender moderates the association between chronic academic stress with top-down and bottom-up attention.. <b>2022</b> , 84, 383		1
83	Investigating the effect of cholinergic and adrenergic blocking agents on maternal-fetal heart rates and their interactions in mice fetuses.. <b>2022</b> ,		0
82	Low Heart Rate Variability Predicts Poor Overall Survival of Lung Cancer Patients With Brain Metastases.. <b>2022</b> , 16, 839874		0
81	Acute Changes in Heart Rate Variability to Glucose and Fructose Supplementation in Healthy Individuals: A Double-Blind Randomized Crossover Placebo-Controlled Trial.. <b>2022</b> , 11,		0
80	Role of Body Mass and Physical Activity in Autonomic Function Modulation on Post-COVID-19 Condition: An Observational Subanalysis of Fit-COVID Study.. <i>International Journal of Environmental Research and Public Health</i> , <b>2022</b> , 19,	4.6	3
79	Evaluating mental workload during multitasking in simulated flight.. <b>2022</b> , e32489		0
78	The Consumption of a Synbiotic Does Not Affect the Immune, Inflammatory, and Sympathovagal Parameters in Athletes and Sedentary Individuals: A Triple-Blinded, Randomized, Place-bo-Controlled Pilot Study.. <i>International Journal of Environmental Research and Public Health</i> , <b>2022</b> , 19,	4.6	0
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76	Novel Application of Multiscale Cross-Approximate Entropy for Assessing Early Changes in the Complexity between Systolic Blood Pressure and ECG R-R Intervals in Diabetic Rats.. <b>2022</b> , 24,		1

75	Impact of Percutaneous Transluminal Renal Angioplasty on Autonomic Nervous System and Natriuresis in Hypertensive Patients With Renal Artery Stenosis.. <b>2022</b> , e023655		
74	Higher heart rate variability as a predictor of atrial fibrillation in patients with hypertension.. <b>2022</b> , 12, 3702		0
73	Sympathovagal Balance Is a Strong Predictor of Post High-Volume Endurance Exercise Cardiac Arrhythmia.. <i>Frontiers in Physiology</i> , <b>2022</b> , 13, 848174	4.6	0
72	Theil Entropy as a Non-Linear Analysis for Spectral Inequality of Physiological Oscillations.. <b>2022</b> , 24,		
71	A New Approach for Evaluation of Cardiovascular Fitness and Cardiac Responses to Maximal Exercise Test in Master Runners: A Cross-Sectional Study.. <b>2022</b> , 11,		1
70	High-intensity interval training for 12 weeks improves cardiovascular autonomic function but not somatosensory nerve function and structure in overweight men with type 2 diabetes.. <b>2022</b> , 1		0
69	Autism Spectrum Disorder in Children Is Not Associated With Abnormal Autonomic Nervous System Function: Hypothesis and Theory.. <i>Frontiers in Psychiatry</i> , <b>2022</b> , 13, 830234	5	0
68	Acute and Short-Term Autonomic and Hemodynamic Responses to Transcranial Direct Current Stimulation in Patients With Resistant Hypertension.. <i>Frontiers in Cardiovascular Medicine</i> , <b>2022</b> , 9, 853427	5.4	0
67	The Movesense Medical Sensor Chest Belt Device as Single Channel ECG for RR Interval Detection and HRV Analysis during Resting State and Incremental Exercise: A Cross-Sectional Validation Study.. <i>Sensors</i> , <b>2022</b> , 22,	3.8	2
66	Preprocessing Methods for Ambulatory HRV Analysis Based on HRV Distribution, Variability and Characteristics (DVC).. <i>Sensors</i> , <b>2022</b> , 22,	3.8	0
65	Light exposure during sleep impairs cardiometabolic function.. <b>2022</b> , 119, e2113290119		4
64	Passive Way of Measuring QOL/Well-Being Levels Using Smartphone Log.. <b>2022</b> , 4, 780566		0
63	Heart Rate Variability Monitoring during a Padel Match.. <i>International Journal of Environmental Research and Public Health</i> , <b>2022</b> , 19,	4.6	1
62	Utility of an Isotonic Beverage on Hydration Status and Cardiovascular Alterations.. <b>2022</b> , 14,		0
61	Quantification of Cardiovascular Regulation Applying Heart Rate Variability Analyses for Different Warm and Moist Chest Compresses in Healthy Subjects.. <b>2022</b> ,		
60	Acute Cardiovascular Effects of Hydrotreated Vegetable Oil Exhaust.. <i>Frontiers in Physiology</i> , <b>2022</b> , 13, 828311	4.6	
59	Diurnal Salivary Cortisol in Relation to Body Composition and Heart Rate Variability in Young Adults.. <b>2022</b> , 13, 831831		0
58	Differences between Elite Male and Female Badminton Athletes Regarding Heart Rate Variability, Arterial Stiffness, and Aerobic Capacity.. <i>International Journal of Environmental Research and Public Health</i> , <b>2022</b> , 19,	4.6	1

57	Self-Compassion and Its Association With Ruminative Tendencies and Vagally Mediated Heart Rate Variability in Recurrent Major Depression.. <b>2022</b> , 13, 798914		
56	Stress Management Intervention for Leaders Increases Nighttime SDANN: Results from a Randomized Controlled Trial.. <i>International Journal of Environmental Research and Public Health</i> , <b>2022</b> , 19,	4.6	1
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