

# Heart Rate Variability ? A Historical Perspective

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Does the 'coupled clock' make the heart tick?. Cardiovascular Research, 2012, 96, 343-344.	1.8	5
2	Cardiac Autonomic Regulation Is Disturbed in Children with Euthyroid Hashimoto Thyroiditis. Tohoku Journal of Experimental Medicine, 2012, 226, 191-195.	0.5	2
3	Effect of Dietary Omega-3 Polyunsaturated Fatty Acids on Heart Rate and Heart Rate Variability in Animals Susceptible or Resistant to Ventricular Fibrillation. Frontiers in Physiology, 2012, 3, 71.	1.3	13
4	Sympathetic Responses to Central Hypovolemia: New Insights from Microneurographic Recordings. Frontiers in Physiology, 2012, 3, 110.	1.3	32
5	Optimal Vibrotactile Stimulation Activates the Parasympathetic Nervous System. , 2012, , .		0
6	Influence of Hypoxia and Hypercapnia on Sleep State-Dependent Heart Rate Variability Behavior in Newborn Lambs. Sleep, 2012, 35, 1541-9.	0.6	17
7	Aerobic physical training has little effect on cardiovascular autonomic control in aging rats subjected to early menopause. Experimental Gerontology, 2013, 48, 147-153.	1.2	34
8	Experimental Heart Rate Regulation in Cycle-Ergometer Exercises. IEEE Transactions on Biomedical Engineering, 2013, 60, 135-139.	2.5	31
9	In vivo cardiac phase response curve elucidates human respiratory heart rate variability. Nature Communications, 2013, 4, 2418.	5.8	111
10	The effects of omega-3 polyunsaturated fatty acids on cardiac rhythm: A critical reassessment. , 2013, 140, 53-80.		55
11	Cardiac Risk Assessment: When and Who? [Retrospectroscope]. IEEE Pulse, 2013, 4, 38-48.	0.1	1
12	The Sympathetic Nervous System in Obesity Hypertension. Current Hypertension Reports, 2013, 15, 409-416.	1.5	41
13	Chronic baroreflex activation restores spontaneous baroreflex control and variability of heart rate in obesity-induced hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 305, H1080-H1088.	1.5	40
14	The effect of heart rate on the heart rate variability response to autonomic interventions. Frontiers in Physiology, 2013, 4, 222.	1.3	166
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16	Heart rate variability in normal and pathological sleep. Frontiers in Physiology, 2013, 4, 294.	1.3	245
17	Complexity of physiological responses decreases in high-stress musical performance. Journal of the Royal Society Interface, 2013, 10, 20130719.	1.5	45
18	The Relationship Between Resting Heart Rate Variability and Erectile Tumescence Among Men with Normal Erectile Function. Journal of Sexual Medicine, 2013, 10, 1961-1968.	0.3	9

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19	Neural control hierarchy of the heart has not evolved to deal with myocardial ischemia. <i>Physiological Genomics</i> , 2013, 45, 638-644.	1.0	43
20	Involvement of MAPK/NF- $\kappa$ B Signaling in the Activation of the Cholinergic Anti-Inflammatory Pathway in Experimental Colitis by Chronic Vagus Nerve Stimulation. <i>PLoS ONE</i> , 2013, 8, e69424.	1.1	156
21	Acute Moderate Exercise Does Not Further Alter the Autonomic Nervous System Activity in Patients with Sickle Cell Anemia. <i>PLoS ONE</i> , 2014, 9, e95563.	1.1	16
22	Facial Vibrotactile Stimulation Activates the Parasympathetic Nervous System: Study of Salivary Secretion, Heart Rate, Pupillary Reflex, and Functional Near-Infrared Spectroscopy Activity. <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	6
23	Major depressive disorder with melancholia displays robust alterations in resting state heart rate and its variability: implications for future morbidity and mortality. <i>Frontiers in Psychology</i> , 2014, 5, 1387.	1.1	67
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26	Evaluation of wearable consumer heart rate monitors based on photoplethysmography. , 2014, 2014, 3670-3.		94
27	Biophysical Characterization of the Underappreciated and Important Relationship Between Heart Rate Variability and Heart Rate. <i>Hypertension</i> , 2014, 64, 1334-1343.	1.3	263
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30	Vagal modulation of resting heart rate in rats: the role of stress, psychosocial factors, and physical exercise. <i>Frontiers in Physiology</i> , 2014, 5, 118.	1.3	69
31	Everything Hertz: methodological issues in short-term frequency-domain HRV. <i>Frontiers in Physiology</i> , 2014, 5, 177.	1.3	214
32	Anxiety Disorders are Associated with Reduced Heart Rate Variability: A Meta-Analysis. <i>Frontiers in Psychiatry</i> , 2014, 5, 80.	1.3	634
33	Measuring Workload Weak Resilience Signals at a Rail Control Post. <i>IIE Transactions on Occupational Ergonomics and Human Factors</i> , 2014, 2, 179-193.	0.5	7
34	The Impact of Cervical Manipulation on Heart Rate Variability. , 2014, 2014, 3406-9.		5
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36	Power spectral density of pulse train over random time scaling. <i>IET Signal Processing</i> , 2014, 8, 601-605.	0.9	2

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38	Vagal effects on heart rate: Different between up and down. , 2014, , .		2
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40	The 5-HTTLPR genotype modulates heart rate variability and its adjustment by pharmacological panic challenge in healthy men. <i>Journal of Psychiatric Research</i> , 2014, 50, 51-58.	1.5	12
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42	Nocturnal cardiac autonomic profile in young primary insomniacs and good sleepers. <i>International Journal of Psychophysiology</i> , 2014, 93, 332-339.	0.5	40
43	Considerations in the assessment of heart rate variability in biobehavioral research. <i>Frontiers in Psychology</i> , 2014, 5, 805.	1.1	261
44	Heartbeat interval monitoring by PZT/PZT flexible piezoelectric film sensor. , 2015, , .		0
45	Transdermal neuromodulation of noradrenergic activity suppresses psychophysiological and biochemical stress responses in humans. <i>Scientific Reports</i> , 2015, 5, 13865.	1.6	40
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53	Change in Heart Rate Variability After the Adult Attachment Interview in Dissociative Patients. <i>Journal of Trauma and Dissociation</i> , 2015, 16, 170-180.	1.0	15
54	Exercise training-induced bradycardia: evidence for enhanced parasympathetic regulation without changes in intrinsic sinoatrial node function. <i>Journal of Applied Physiology</i> , 2015, 118, 1344-1355.	1.2	62

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56	Effect of Acupuncture at Ht7 on Heart Rate Variability: An Exploratory Study. <i>Acupuncture in Medicine</i> , 2015, 33, 30-35.	0.4	25
57	Heart rate variability is reduced in acromegaly patients and improved by treatment with somatostatin analogues. <i>Pituitary</i> , 2015, 18, 525-534.	1.6	16
58	An introduction to heart rate variability: methodological considerations and clinical applications. <i>Frontiers in Physiology</i> , 2015, 6, 55.	1.3	198
59	Frequency analysis of a task-evoked pupillary response: Luminance-independent measure of mental effort. <i>International Journal of Psychophysiology</i> , 2015, 97, 30-37.	0.5	72
60	Cardiovascular and autonomic alterations in rats with Parkinsonism induced by 6-OHDA and treated with L-DOPA. <i>Life Sciences</i> , 2015, 127, 82-89.	2.0	36
61	Impact of obesity on autonomic modulation, heart rate and blood pressure in obese young people. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2015, 193, 138-141.	1.4	81
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63	Subcutaneous nerve activity is more accurate than heart rate variability in estimating cardiac sympathetic tone in ambulatory dogs with myocardial infarction. <i>Heart Rhythm</i> , 2015, 12, 1619-1627.	0.3	23
64	Real-time Imaging of Stress-induced Cardiac Autonomic Adaptation During Realistic Force-on-force Police Scenarios. <i>Journal of Police and Criminal Psychology</i> , 2015, 30, 71-86.	1.2	28
66	Autonomic dysfunction in isolated rapid eye movement sleep without atonia. <i>Clinical Neurophysiology</i> , 2015, 126, 731-735.	0.7	23
67	Assessment of fetal development by HRV and chaotic global techniques. <i>Journal of Human Growth and Development</i> , 2016, 26, 162.	0.2	5
68	High-fat diet-induced hypertension and autonomic imbalance are associated with an upregulation of CART in the dorsomedial hypothalamus of mice. <i>Physiological Reports</i> , 2016, 4, e12811.	0.7	31
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77	Autonomic Impairment in Severe Traumatic Brain Injury: A Multimodal Neuromonitoring Study. <i>Critical Care Medicine</i> , 2016, 44, 1173-1181.	0.4	61
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82	Heart rate variability in mind-body interventions. <i>Complementary Therapies in Medicine</i> , 2016, 29, A1-A2.	1.3	8
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88	Features and usability assessment of a patient-centered mobile application (HeartMapp) for self-management of heart failure. <i>Applied Nursing Research</i> , 2016, 32, 156-163.	1.0	69
89	Vagal reactivation after exercise and cardiac autonomic nervous activity in adult Fontan patients without pacemakers. <i>International Journal of Cardiology</i> , 2016, 220, 527-533.	0.8	4
91	The effect of marine n-3 polyunsaturated fatty acids on cardiac autonomic and hemodynamic function in patients with psoriatic arthritis: a randomised, double-blind, placebo-controlled trial. <i>Lipids in Health and Disease</i> , 2016, 15, 216.	1.2	19
92	Resistance training prevents the cardiovascular changes caused by high-fat diet. <i>Life Sciences</i> , 2016, 146, 154-162.	2.0	43
93	Slow breathing influences cardiac autonomic responses to postural maneuver. <i>Complementary Therapies in Clinical Practice</i> , 2016, 23, 14-20.	0.7	19

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94	Comprehensive multilevel in vivo and in vitro analysis of heart rate fluctuations in mice by ECG telemetry and electrophysiology. <i>Nature Protocols</i> , 2016, 11, 61-86.	5.5	42
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101	Using pupil size and heart rate to infer affective states during behavioral neurophysiology and neuropsychology experiments. <i>Journal of Neuroscience Methods</i> , 2017, 279, 1-12.	1.3	34
102	Age differences in arterial and venous extra-cerebral blood flow in healthy adults: contributions of vascular risk factors and genetic variants. <i>Brain Structure and Function</i> , 2017, 222, 2641-2653.	1.2	5
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113	Clinical examination for diagnosing circulatory shock. <i>Current Opinion in Critical Care</i> , 2017, 23, 293-301.	1.6	39
114	Biofeedback in Grandmothers Raising Grandchildren: Evaluating Intervention Parameters. <i>Issues in Mental Health Nursing</i> , 2017, 38, 493-499.	0.6	3
115	Effects of a Passive Online Software Application on Heart Rate Variability and Autonomic Nervous System Balance. <i>Journal of Alternative and Complementary Medicine</i> , 2017, 23, 68-74.	2.1	7
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117	Autonomic, endocrine and behavioural responses to thunder in laboratory and companion dogs. <i>Physiology and Behavior</i> , 2017, 169, 208-215.	1.0	20
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125	The PPG Physiological Signal for Heart Rate Variability Analysis. <i>Wireless Personal Communications</i> , 2017, 97, 5229-5276.	1.8	14
126	Altered heart rate regulation by the autonomic nervous system in mice lacking natriuretic peptide receptor C (NPR-C). <i>Scientific Reports</i> , 2017, 7, 17564.	1.6	12
127	The physiological effects of slow breathing in the healthy human. <i>Breathe</i> , 2017, 13, 298-309.	0.6	323
128	Counterpoint: Exercise training-induced bradycardia: the case for enhanced parasympathetic regulation. <i>Journal of Applied Physiology</i> , 2017, 123, 686-688.	1.2	9
129	Reduced vagal tone in women with the FMR1 premutation is associated with FMR1 mRNA but not depression or anxiety. <i>Journal of Neurodevelopmental Disorders</i> , 2017, 9, 16.	1.5	12



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137	Pattern Analysis of Oxygen Saturation Variability in Healthy Individuals: Entropy of Pulse Oximetry Signals Carries Information about Mean Oxygen Saturation. <i>Frontiers in Physiology</i> , 2017, 8, 555.	1.3	45
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139	Cycling before and after Exhaustion Differently Affects Cardiac Autonomic Control during Heart Rate Matched Exercise. <i>Frontiers in Physiology</i> , 2017, 8, 844.	1.3	3
140	Hidden Signals" The History and Methods of Heart Rate Variability. <i>Frontiers in Public Health</i> , 2017, 5, 265.	1.3	79
141	Compression at Myofascial Trigger Point on Chronic Neck Pain Provides Pain Relief through the Prefrontal Cortex and Autonomic Nervous System: A Pilot Study. <i>Frontiers in Neuroscience</i> , 2017, 11, 186.	1.4	42
142	Diurnal Variation and Twenty-Four Hour Sleep Deprivation Do Not Alter Supine Heart Rate Variability in Healthy Male Young Adults. <i>PLoS ONE</i> , 2017, 12, e0170921.	1.1	15
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149	The neural underpinnings of music listening under different attention conditions. <i>NeuroReport</i> , 2018, 29, 594-604.	0.6	17
150	Neighborhood stress and autonomic nervous system activity during sleep. <i>Sleep</i> , 2018, 41, .	0.6	21
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157	Heritability and genetic correlations of heart rate variability at rest and during stress in the Oman Family Study. <i>Journal of Hypertension</i> , 2018, 36, 1477-1485.	0.3	13
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159	Minocycline alters expression of inflammatory markers in autonomic brain areas and ventilatory responses induced by acute hypoxia. <i>Experimental Physiology</i> , 2018, 103, 884-895.	0.9	18
160	Recovery of heart rate variability after treadmill exercise analyzed by lagged PoincarÃ© plot and spectral characteristics. <i>Medical and Biological Engineering and Computing</i> , 2018, 56, 221-231.	1.6	12
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162	A method for assessment of the dynamic response of the arterial baroreflex. <i>Acta Physiologica</i> , 2018, 222, e12962.	1.8	7
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