

# Cees A Swenne

## List of Publications by Year in descending order

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131  
papers

4,626  
citations

117625

34  
h-index

106344

65  
g-index

133  
all docs

133  
docs citations

133  
times ranked

5444  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced adaptive matched filter for automated identification and measurement of electrocardiographic alternans. <i>Biomedical Signal Processing and Control</i> , 2021, 68, 102619.	5.7	4
2	Validation of the Ventricular Gradient Comparing Sinus Beats and Ectopic Beats. , 2021, , .		0
3	Repeated Structuring & Learning Procedure for Detection of Myocardial Ischemia: a Robustness Analysis. , 2021, 2021, 467-470.		3
4	Diagnostic Accuracy Of The Electrocardiographic Decision Support “ Myocardial Ischaemia (EDS-MI) Algorithm In Detection Of Acute Coronary Occlusion. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2020, 9, 13-25.	1.0	5
5	An initial exploration of subtraction electrocardiography to detect myocardial ischemia in the prehospital setting. <i>Annals of Noninvasive Electrocardiology</i> , 2020, 25, e12722.	1.1	9
6	Lack of diagnostic utility of the ECG-derived ventricular gradient in patients with suspected acute pulmonary embolism. <i>Journal of Electrocardiology</i> , 2020, 61, 141-146.	0.9	2
7	Prevalence of ECGs Exceeding Thresholds for ST-segment Elevation Myocardial Infarction in Apparently Healthy Individuals: The Role of Ethnicity. <i>Journal of the American Heart Association</i> , 2020, 9, e015477.	3.7	12
8	Artificial Neural Network for Atrial Fibrillation Identification in Portable Devices. <i>Sensors</i> , 2020, 20, 3570.	3.8	48
9	Normal Values of QT Variability in 10-s Electrocardiograms for all Ages. <i>Frontiers in Physiology</i> , 2019, 10, 1272.	2.8	4
10	Electrical remodeling after percutaneous atrial septal defect closure in pediatric and adult patients. <i>International Journal of Cardiology</i> , 2019, 285, 32-39.	1.7	8
11	Serial electrocardiography to detect newly emerging or aggravating cardiac pathology: a deep-learning approach. <i>BioMedical Engineering OnLine</i> , 2019, 18, 15.	2.7	32
12	Normal values of the ventricular gradient and QRS-T angle, derived from the pediatric electrocardiogram. <i>Journal of Electrocardiology</i> , 2018, 51, 490-495.	0.9	7
13	Normal Values of Corrected Heart-Rate Variability in 10-Second Electrocardiograms for All Ages. <i>Frontiers in Physiology</i> , 2018, 9, 424.	2.8	73
14	ECG derived ventricular gradient exceeds echocardiography in the early detection of pulmonary hypertension in scleroderma patients. <i>International Journal of Cardiology</i> , 2018, 273, 203-206.	1.7	10
15	Prognostic relevance of the interaction between short-term, metronome-paced heart rate variability, and inflammation: results from the population-based CARLA cohort study. <i>Europace</i> , 2017, 19, euv333.	1.7	6
16	Special issue of the <i>Journal of Electrocardiology</i> to commemorate Dr. Galen Wagner (1939-2016). <i>Journal of Electrocardiology</i> , 2017, 50, 1-2.	0.9	1
17	Dr. Galen Wagner (1939-2016) as an Academic Writer: An Overview of his Peer-reviewed Scientific Publications. <i>Journal of Electrocardiology</i> , 2017, 50, 47-73.	0.9	2
18	Genetic loci associated with heart rate variability and their effects on cardiac disease risk. <i>Nature Communications</i> , 2017, 8, 15805.	12.8	95

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19	Longitudinal association of short-term, metronome-paced heart rate variability and echocardiographically assessed cardiac structure at a 4-year follow-up: results from the prospective, population-based CARLA cohort. <i>Europace</i> , 2017, 19, 2027-2035.	1.7	5
20	The Olson method for detection of acute myocardial ischemia in patients with coronary occlusion. <i>Journal of Electrocardiology</i> , 2017, 50, 74-81.	0.9	3
21	Position of ST-deviation measurements relative to the J-point: Impact for ischemia detection. <i>Journal of Electrocardiology</i> , 2017, 50, 82-89.	0.9	10
22	Galen Wagner, M.D., Ph.D. (1939â€“2016) as international mentor of young investigators in electrocardiology. <i>Journal of Electrocardiology</i> , 2017, 50, 21-46.	0.9	2
23	Detection of elevated pulmonary pressures by the ECG-derived ventricular gradient: A comparison of conversion matrices in patients with suspected pulmonary hypertension. <i>Journal of Electrocardiology</i> , 2017, 50, 115-122.	0.9	0
24	MALT/STAFF 2015 symposium. <i>Journal of Electrocardiology</i> , 2016, 49, 752.	0.9	0
25	Association between autonomic nervous dysfunction and cellular inflammation in end-stage renal disease. <i>BMC Cardiovascular Disorders</i> , 2016, 16, 210.	1.7	8
26	Heart Rateâ€“Dependent Hysteresis of Tâ€“Wave Alternans in Primary Prevention ICD Patients. <i>Annals of Noninvasive Electrocardiology</i> , 2016, 21, 460-469.	1.1	5
27	Scientific STAFF and MALT meetings â€” past, present, and future. <i>Journal of Electrocardiology</i> , 2016, 49, 259-262.	0.9	5
28	Predictive Power of f99 Repolarization Index for the Occurrence of Ventricular Arrhythmias. <i>Annals of Noninvasive Electrocardiology</i> , 2016, 21, 152-160.	1.1	4
29	Subtraction electrocardiography: Detection of ischemia-induced ST displacement without the need to identify the J point. <i>Journal of Electrocardiology</i> , 2016, 49, 316-322.	0.9	2
30	Electrocardiographic detection of pulmonary hypertension in patients with systemic sclerosis using the ventricular gradient. <i>Journal of Electrocardiology</i> , 2016, 49, 60-68.	0.9	8
31	Dependency of Exerciseâ€“Induced Tâ€“Wave Alternans Predictive Power for the Occurrence of Ventricular Arrhythmias from Heart Rate. <i>Annals of Noninvasive Electrocardiology</i> , 2015, 20, 345-354.	1.1	4
32	Vectorcardiographic diagnostic & prognostic information derived from the 12â€“lead electrocardiogram: Historical review and clinical perspective. <i>Journal of Electrocardiology</i> , 2015, 48, 463-475.	0.9	43
33	Performance of ST and ventricular gradient difference vectors in electrocardiographic detection of acute myocardial ischemia. <i>Journal of Electrocardiology</i> , 2015, 48, 498-504.	0.9	15
34	Comparison of model-based and expert-rule based electrocardiographic identification of the culprit artery in patients with acute coronary syndrome. <i>Journal of Electrocardiology</i> , 2015, 48, 483-489.	0.9	8
35	Electrocardiographic detection and monitoring of pulmonary Hypertension. , 2015, , .		0
36	The dependence of the STEMI classification on the position of ST-deviation measurement instant relative to the J point. , 2015, , .		1

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37	T-wave alternans hysteresis on heart rate. , 2015, , .		1
38	Logistic regression to enhance risk assessment by left ventricular ejection fraction and f99. , 2015, , .		0
39	Improved STEMI diagnosis by serial ECG analysis. Journal of Electrocardiology, 2015, 48, 99-100.	0.9	1
40	Intra-individual ECG changes over 25 years: How long can elective ECGs be used as reference for acute ischemia detection?. Journal of Electrocardiology, 2015, 48, 490-497.	0.9	3
41	Mechanisms of exercise-recovery hysteresis in the ECG. Journal of Electrocardiology, 2015, 48, 1006-1009.	0.9	3
42	Atherosclerosis at your fingertips?. Netherlands Heart Journal, 2015, 23, 466-467.	0.8	0
43	The role of insulin resistance in the association between body fat and autonomic function. Nutrition, Metabolism and Cardiovascular Diseases, 2015, 25, 93-99.	2.6	29
44	Role of the ECG in initial acute coronary syndrome triage: primary PCI regardless presence of ST elevation or of non-ST elevation. Netherlands Heart Journal, 2014, 22, 484-490.	0.8	21
45	Acute coronary syndrome with a totally occluded culprit artery: relation of the ST injury vector with ST-elevation and non-ST elevation ECGs. Journal of Electrocardiology, 2014, 47, 183-190.	0.9	19
46	Directionality and proportionality of the ST and ventricular gradient difference vectors during acute ischemia. Journal of Electrocardiology, 2014, 47, 500-504.	0.9	7
47	Psychosocial distress under pressure. Netherlands Heart Journal, 2014, 22, 70-70.	0.8	0
48	Body fat, especially visceral fat, is associated with electrocardiographic measures of sympathetic activation. Obesity, 2014, 22, 1553-1559.	3.0	28
49	Normal values of the electrocardiogram for ages 16â€“90years. Journal of Electrocardiology, 2014, 47, 914-921.	0.9	136
50	Diverging opinions about shared decisions. Netherlands Heart Journal, 2014, 22, 334-335.	0.8	0
51	Electrocardiographic detection of right ventricular pressure overload in patients with suspected pulmonary hypertension. Journal of Electrocardiology, 2014, 47, 175-182.	0.9	34
52	Beyond lipid lowering: pleiotropic effects of statins in heart failure. Netherlands Heart Journal, 2013, 21, 406-407.	0.8	5
53	Neurocardiological differences between musicians and control subjects. Netherlands Heart Journal, 2013, 21, 183-188.	0.8	6
54	Difference vectors to describe dynamics of the ST segment and the ventricular gradient in acute ischemia. Journal of Electrocardiology, 2013, 46, 302-311.	0.9	22

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55	Exercise-resembling effects of periodic somatosensory stimulation in heart failure. <i>International Journal of Cardiology</i> , 2013, 168, 3327-3333.	1.7	2
56	Baroreflex sensitivity: mechanisms and measurement. <i>Netherlands Heart Journal</i> , 2013, 21, 58-60.	0.8	100
57	Response to Dr. Madias's™ comments on "Wave Alternans by a 16-Lead Electrocardiogram System". <i>Annals of Noninvasive Electrocardiology</i> , 2013, 18, 100-101.	1.1	0
58	Feasibility of Laser Doppler Vibrometry as potential diagnostic tool for patients with abdominal aortic aneurysms. <i>Journal of Biomechanics</i> , 2013, 46, 1113-1120.	2.1	10
59	Will future troponin measurement overrule the ECG as the primary diagnostic tool in patients with acute coronary syndrome?. <i>Journal of Electrocardiology</i> , 2013, 46, 312-317.	0.9	10
60	Incremental prognostic value of an abnormal baseline spatial QRS-T angle in chronic dialysis patients. <i>Europace</i> , 2013, 15, 290-296.	1.7	39
61	Heart rate variability and first cardiovascular event in populations without known cardiovascular disease: meta-analysis and dose-response meta-regression. <i>Europace</i> , 2013, 15, 742-749.	1.7	357
62	Comparison of Standard versus Orthogonal ECG Leads for T-wave Alternans Identification. <i>Annals of Noninvasive Electrocardiology</i> , 2012, 17, 130-140.	1.1	23
63	Role of the vectorcardiogram-derived spatial QRS-T angle in diagnosing left ventricular hypertrophy. <i>Journal of Electrocardiology</i> , 2012, 45, 154-160.	0.9	16
64	Diagnosis and mortality prediction in pulmonary hypertension: the value of the electrocardiogram-derived ventricular gradient. <i>Journal of Electrocardiology</i> , 2012, 45, 312-318.	0.9	19
65	Online Medical Literature Consultation Habits of Academic Teaching Physicians in the EU and CIS Countries: A Cross-Sectional Study. <i>PLoS ONE</i> , 2012, 7, e44302.	2.5	3
66	Rehabilitation: Periodic somatosensory stimulation increases arterial baroreflex sensitivity in chronic heart failure patients. <i>International Journal of Cardiology</i> , 2011, 152, 237-241.	1.7	15
67	Influence of the vectorcardiogram synthesis matrix on the power of the electrocardiogram-derived spatial QRS-T angle to predict arrhythmias in patients with ischemic heart disease and systolic left ventricular dysfunction. <i>Journal of Electrocardiology</i> , 2011, 44, 410-415.	0.9	27
68	Predictive power of T-wave alternans and of ventricular gradient hysteresis for the occurrence of ventricular arrhythmias in primary prevention cardioverter-defibrillator patients. <i>Journal of Electrocardiology</i> , 2011, 44, 453-459.	0.9	21
69	Cardiovascular dynamics in ischemic cardiomyopathy during exercise. <i>International Journal of Cardiovascular Imaging</i> , 2010, 26, 161-164.	1.5	0
70	The spatial QRS-T angle in the Frank vectorcardiogram: accuracy of estimates derived from the 12-lead electrocardiogram. <i>Journal of Electrocardiology</i> , 2010, 43, 294-301.	0.9	43
71	Association of health behaviour with heart rate variability: a population-based study. <i>BMC Cardiovascular Disorders</i> , 2010, 10, 58.	1.7	21
72	Follow-Up After Pulmonary Valve Replacement in Adults With Tetralogy of Fallot. <i>Journal of the American College of Cardiology</i> , 2010, 56, 1486-1492.	2.8	72

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73	Predicting Ventricular Arrhythmias in Patients With Ischemic Heart Disease. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2009, 2, 548-554.	4.8	128
74	Relation of Resting Heart Rate to Prognosis in Patients With Idiopathic Pulmonary Arterial Hypertension. <i>American Journal of Cardiology</i> , 2009, 103, 1451-1456.	1.6	44
75	Cardiovascular diseases, risk factors and short-term heart rate variability in an elderly general population: the CARLA study 2002-2006. <i>European Journal of Epidemiology</i> , 2009, 24, 123-142.	5.7	94
76	Oxygen uptake in heart failure: how much, how fast?. <i>Netherlands Heart Journal</i> , 2009, 17, 224-225.	0.8	3
77	Gated SPECT: What's the ideal method to measure LVEF?. <i>International Journal of Cardiovascular Imaging</i> , 2008, 24, 807-810.	1.5	4
78	Reconstruction of standard 12-lead electrocardiograms from 12-lead electrocardiograms recorded with the Mason-Likar electrode configuration. <i>Journal of Electrocardiology</i> , 2008, 41, 211-219.	0.9	28
79	Normal limits of the spatial QRS-T angle and ventricular gradient in 12-lead electrocardiograms of young adults: dependence on sex and heart rate. <i>Journal of Electrocardiology</i> , 2008, 41, 648-655.	0.9	86
80	Pulmonary valve replacement in tetralogy of Fallot improves the repolarization. <i>International Journal of Cardiology</i> , 2008, 124, 301-306.	1.7	18
81	Biventricular pacing in chronic heart failure acutely facilitates the arterial baroreflex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H755-H760.	3.2	27
82	Improved ECG detection of presence and severity of right ventricular pressure load validated with cardiac magnetic resonance imaging. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H2150-H2157.	3.2	44
83	Exercise training increases oxygen uptake efficiency slope in chronic heart failure. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2008, 15, 140-144.	2.8	38
84	Early changes in rat hearts with developing pulmonary arterial hypertension can be detected with three-dimensional electrocardiography. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H1300-H1307.	3.2	41
85	Biventricular pacing and transmural dispersion of the repolarization. <i>Europace</i> , 2007, 9, 48-49.	1.7	1
86	Baroreflex sensitivity, blood pressure buffering, and resonance: what are the links? Computer simulation of healthy subjects and heart failure patients. <i>Journal of Applied Physiology</i> , 2007, 102, 1348-1356.	2.5	59
87	Effect of Exercise Training on Autonomic Derangement and Neurohumoral Activation in Chronic Heart Failure. <i>Journal of Cardiac Failure</i> , 2007, 13, 294-303.	1.7	95
88	Pacemaking in the AV node. <i>Heart Rhythm</i> , 2007, 4, 1336-1337.	0.7	0
89	Cardiovascular disease, risk factors, and heart rate variability in the general population. <i>Journal of Electrocardiology</i> , 2007, 40, S19-S21.	0.9	15
90	Elucidation of the spatial ventricular gradient and its link with dispersion of repolarization. <i>Heart Rhythm</i> , 2006, 3, 1092-1099.	0.7	70

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91	Tryptophan Depletion Affects Heart Rate Variability and Impulsivity in Remitted Depressed Patients with a History of Suicidal Ideation. <i>Biological Psychiatry</i> , 2006, 60, 507-514.	1.3	71
92	Validation of ECG Indices of Ventricular Repolarization Heterogeneity: A Computer Simulation Study. <i>Journal of Cardiovascular Electrophysiology</i> , 2005, 16, 1097-1103.	1.7	48
93	Cardiovascular disease, risk factors and heart rate variability in the elderly general population: Design and objectives of the CARdiovascular disease, Living and Ageing in Halle (CARLA) Study. <i>BMC Cardiovascular Disorders</i> , 2005, 5, 33.	1.7	102
94	Reduction of QRS duration after pulmonary valve replacement in adult Fallot patients is related to reduction of right ventricular volume. <i>European Heart Journal</i> , 2005, 26, 928-932.	2.2	82
95	Dispersion of repolarization in cardiac resynchronization therapy. <i>Heart Rhythm</i> , 2005, 2, 1286-1293.	0.7	39
96	Hypertensive Stress Increases Dispersion of Repolarization. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2004, 27, 1603-1609.	1.2	5
97	The influence of premature ventricular contractions on left ventricular function in asymptomatic children without structural heart disease: an echocardiographic evaluation. <i>International Journal of Cardiovascular Imaging</i> , 2003, 19, 295-299.	0.6	55
98	Effect of n-3 fatty acids on heart rate variability and baroreflex sensitivity in middle-aged subjects. <i>American Heart Journal</i> , 2003, 146, 344.	2.7	37
99	Heart rate variability and sympathovagal balance: pharmacological validation. <i>Netherlands Heart Journal</i> , 2003, 11, 250-259.	0.8	5
100	Neurocardiological basis for intraindividual ECG variability. <i>Journal of Electrocardiology</i> , 2002, 35, 239-242.	0.9	5
101	(n-3) Fatty Acids Do Not Affect Electrocardiographic Characteristics of Healthy Men and Women. <i>Journal of Nutrition</i> , 2002, 132, 3051-3054.	2.9	18
102	Rhythmic sensory stimulation improves fitness by conditioning the autonomic nervous system. <i>Netherlands Heart Journal</i> , 2002, 10, 43-47.	0.8	1
103	Within-subject electrocardiographic differences at equal heart rates: role of the autonomic nervous system. <i>Pflugers Archiv European Journal of Physiology</i> , 2001, 441, 717-724.	2.8	30
104	Changes in frequency of premature complexes and heart rate variability related to shift work. <i>Occupational and Environmental Medicine</i> , 2001, 58, 678-681.	2.8	64
105	The importance of high-frequency paced breathing in spectral baroreflex sensitivity assessment. <i>Journal of Hypertension</i> , 2000, 18, 1635-1644.	0.5	69
106	Occupational determinants of heart rate variability. <i>International Archives of Occupational and Environmental Health</i> , 2000, 73, 255-262.	2.3	96
107	Correlated neurocardiologic and fitness changes in athletes interrupting training. <i>Medicine and Science in Sports and Exercise</i> , 2000, 32, 571-575.	0.4	6
108	Low Heart Rate Variability in a 2-Minute Rhythm Strip Predicts Risk of Coronary Heart Disease and Mortality From Several Causes. <i>Circulation</i> , 2000, 102, 1239-1244.	1.6	701

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109	Correlation of heart rate variability with cardiac functional and metabolic variables in cyclists with training induced left ventricular hypertrophy. <i>Heart</i> , 1999, 81, 612-617.	2.9	28
110	Cardiac Neural Changes Before Vasovagal Syncope. <i>Circulation</i> , 1999, 100, e67.	1.6	0
111	Exercise training and heart rate variability in older people. <i>Medicine and Science in Sports and Exercise</i> , 1999, 31, 816-821.	0.4	98
112	Heart Rate Variability from Short Electrocardiographic Recordings Predicts Mortality from All Causes in Middle-aged and Elderly Men: The Zutphen Study. <i>American Journal of Epidemiology</i> , 1997, 145, 899-908.	3.4	430
113	Heart Rate Variability, Baroreflex Sensitivity, and Cardiac Vagal Tone. <i>Clinical Science</i> , 1996, 91, 113-115.	0.0	0
114	<i>&lt;i&gt;This section edited by Marek Malik, M. D.&lt;/i&gt;</i> Heart rate variability during repeated incremental head-up tilt discloses time dependence of individual autonomic dynamics. <i>Clinical Cardiology</i> , 1996, 19, 62-68.	1.8	12
115	Intravenous instrumentation alters the autonomic state in humans. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1996, 73, 113-116.	1.2	7
116	Reproducibility and Comparability of Short- and Long-Term Heart Rate Variability Measures in Healthy Young Men. <i>Annals of Noninvasive Electrocardiology</i> , 1996, 1, 287-292.	1.1	14
117	Autonomic, ischaemic, circadian and rhythmic factors as causes of the spontaneous variability of ventricular arrhythmias. <i>European Heart Journal</i> , 1995, 16, 674-681.	2.2	14
118	Similar orthostatic defense in active, healthy young adult and late middle-aged men. <i>American Journal of Cardiology</i> , 1995, 76, 922-927.	1.6	4
119	Sympathovagal balance and graded orthostatic tilt. <i>Circulation</i> , 1995, 91, 2292-3.	1.6	3
120	Heart rate and heart rate variability as indexes of sympathovagal balance. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1994, 266, H1565-H1571.	3.2	115
121	Methods in heart rate variability analysis: which tachogram should we choose?. <i>Computer Methods and Programs in Biomedicine</i> , 1993, 41, 1-8.	4.7	18
122	Supine and standing sympathovagal balance in athletes and controls. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1993, 67, 164-167.	1.2	29
123	Epicardial Reflection as a Cause of Incessant Ventricular Bigeminy. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1988, 11, 1036-1044.	1.2	15
124	ECG criteria for assessment of mechanisms of ventricular arrhythmias: A review. <i>European Heart Journal</i> , 1987, 8, 800-812.	2.2	6
125	Assessment of mechanisms of ventricular arrhythmias from the surface ECG in 118 patients. <i>European Heart Journal</i> , 1987, 8, 813-820.	2.2	5
126	Long-Term Follow-up after Pacemaker Implantation in Sick Sinus Syndrome. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1981, 4, 8-13.	1.2	24



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127	A Computerized, Interactive Coronary Care Unit Monitoring System. IEEE Transactions on Biomedical Engineering, 1977, BME-24, 63-67.	4.2	3
128	Pattern recognition for ECG-monitoring: An interactive method for the classification of ventricular complexes. Journal of Biomedical Informatics, 1973, 6, 150-160.	0.7	25
129	Progression towards Heart Failure after Myocardial Infarction Is Accompanied by a Change in the Spatial QRS-T Angle. , 0, , .		2
130	Serial ECG Analysis: Absolute Rather Than Signed Changes in the Spatial QRS-T Angle Should Be Used to Detect Emerging Cardiac Pathology. , 0, , .		5
131	Spatial Distribution and Orientation of a Single Moving Dipole Computed in 12-Lead ECGs in a Healthy Population Using a Spherically Bounded Model. , 0, , .		3