

Luc Vanhees

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

11,280
citations

76031

42
h-index

33145

104
g-index

117
all docs

117
docs citations

117
times ranked

12716
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Feasibility of a home-based physiotherapy intervention to promote post-stroke mobility: A randomized controlled pilot study. PLoS ONE, 2022, 17, e0256455. | 1.1 | 6 |
| 2 | 2020 ESC Guidelines on sports cardiology and exercise in patients with cardiovascular disease. European Heart Journal, 2021, 42, 17-96. | 1.0 | 830 |
| 3 | 2020 ESC Guidelines on sports cardiology and exercise in patients with cardiovascular disease. Russian Journal of Cardiology, 2021, 26, 4488. | 0.4 | 12 |
| 4 | Home-based exercise with telemonitoring guidance in patients with coronary artery disease: Does it improve long-term physical fitness?. European Journal of Preventive Cardiology, 2020, 27, 367-377. | 0.8 | 52 |
| 5 | Differential effects of resveratrol on the dilator responses of femoral arteries, ex vivo. Nitric Oxide - Biology and Chemistry, 2019, 92, 1-10. | 1.2 | 7 |
| 6 | The test-retest reliability and criterion validity of the Sensewear mini and Actiheart in two climatologically different countries. Health and Technology, 2019, 9, 647-656. | 2.1 | 1 |
| 7 | Predictors of response to exercise training in patients with coronary artery disease – a subanalysis of the SAINTEX-CAD study. European Journal of Preventive Cardiology, 2019, 26, 1158-1163. | 0.8 | 26 |
| 8 | Physical activity and obesity: is there a difference in association between the Asian- and African-Surinamese adult population?. Ethnicity and Health, 2019, 24, 365-377. | 1.5 | 4 |
| 9 | The prognostic strength of gas analysis measurement during maximal exercise testing. European Journal of Preventive Cardiology, 2018, 25, 770-771. | 0.8 | 1 |
| 10 | Predictive value of Type D personality for impaired endothelial function in patients with coronary artery disease. International Journal of Cardiology, 2018, 259, 205-210. | 0.8 | 36 |
| 11 | Impact of aerobic interval training and continuous training on left ventricular geometry and function: a SAINTEX-CAD substudy. International Journal of Cardiology, 2018, 257, 193-198. | 0.8 | 18 |
| 12 | Exercise Prescription in Patients with Different Combinations of Cardiovascular Disease Risk Factors: A Consensus Statement from the EXPERT Working Group. Sports Medicine, 2018, 48, 1781-1797. | 3.1 | 126 |
| 13 | Home-Based Rehabilitation With Telemonitoring Guidance for Patients With Coronary Artery Disease (Short-Term Results of the TRiCH Study): Randomized Controlled Trial. Journal of Medical Internet Research, 2018, 20, e225. | 2.1 | 51 |
| 14 | The European Association of Preventive Cardiology Exercise Prescription in Everyday Practice and Rehabilitative Training (EXPERT) tool: A digital training and decision support system for optimized exercise prescription in cardiovascular disease. Concept, definitions and construction methodology. European Journal of Preventive Cardiology, 2017, 24, 1017-1031. | 0.8 | 141 |
| 15 | The effect of aerobic interval training and continuous training on exercise capacity and its determinants. Acta Cardiologica, 2017, 72, 328-340. | 0.3 | 8 |
| 16 | Test-Retest Reliability of Maximal and Submaximal Gas Exchange Variables in Patients With Coronary Artery Disease. Journal of Cardiopulmonary Rehabilitation and Prevention, 2016, 36, 263-269. | 1.2 | 7 |
| 17 | Are aerobic interval training and continuous training isocaloric in coronary artery disease patients?. European Journal of Preventive Cardiology, 2016, 23, 1486-1495. | 0.8 | 5 |
| 18 | The effects of resveratrol on aging vessels. Experimental Gerontology, 2016, 85, 41-47. | 1.2 | 30 |

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|----|--|-----|-----------|
| 19 | 189â€¦Differential Effects of Resveratol on Acetylcholine-Induced and Flow-Mediated Dilation of the Mouse Femoral Artery. <i>Heart</i> , 2016, 102, A129.1-A129. | 1.2 | 0 |
| 20 | Prognostic value of the post-training oxygen uptake efficiency slope in patients with coronary artery disease. <i>European Journal of Preventive Cardiology</i> , 2016, 23, 1363-1371. | 0.8 | 14 |
| 21 | The long-term effects of a randomized trial comparing aerobic interval versus continuous training in coronary artery disease patients: 1-year data from the SAINTEX-CAD study. <i>European Journal of Preventive Cardiology</i> , 2016, 23, 1154-1164. | 0.8 | 55 |
| 22 | Prognostic value of the oxygen uptake efficiency slope and other exercise variables in patients with coronary artery disease. <i>European Journal of Preventive Cardiology</i> , 2016, 23, 237-244. | 0.8 | 38 |
| 23 | Stability of and Associations Between Social-Cognitive Determinants Over Time. <i>SAGE Open</i> , 2015, 5, 215824401559245. | 0.8 | 0 |
| 24 | Effects of aerobic interval training and continuous training on cellular markers of endothelial integrity in coronary artery disease: a SAINTEX-CAD substudy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1876-H1882. | 1.5 | 41 |
| 25 | Exercise intensity modulates capillary perfusion in correspondence with ACE I/D modulated serum angiotensin II levels. <i>Applied & Translational Genomics</i> , 2015, 4, 33-37. | 2.1 | 18 |
| 26 | A review of telerehabilitation for cardiac patients. <i>Journal of Telemedicine and Telecare</i> , 2015, 21, 45-53. | 1.4 | 162 |
| 27 | The oxygen uptake efficiency slope in 1411 Caucasian healthy men and women aged 20â€“60 years: reference values. <i>European Journal of Preventive Cardiology</i> , 2015, 22, 356-363. | 0.8 | 31 |
| 28 | Assessing peak aerobic capacity in Dutch law enforcement officers. <i>International Journal of Occupational Medicine and Environmental Health</i> , 2015, 28, 519-531. | 0.6 | 6 |
| 29 | Peak oxygen uptake, ventilatory efficiency and QRS-duration predict event free survival in patients late after surgical repair of tetralogy of Fallot. <i>International Journal of Cardiology</i> , 2015, 196, 158-164. | 0.8 | 81 |
| 30 | Exercise-induced right ventricular dysfunction is associated with ventricular arrhythmias in endurance athletes. <i>European Heart Journal</i> , 2015, 36, 1998-2010. | 1.0 | 148 |
| 31 | Self-reported physical activity behavior of a multi-ethnic adult population within the urban and rural setting in Suriname. <i>BMC Public Health</i> , 2015, 15, 485. | 1.2 | 20 |
| 32 | Postural sway and integration of proprioceptive signals in subjects with LBP. <i>Human Movement Science</i> , 2015, 39, 109-120. | 0.6 | 43 |
| 33 | Aerobic interval training and continuous training equally improve aerobic exercise capacity in patients with coronary artery disease: The SAINTEX-CAD study. <i>International Journal of Cardiology</i> , 2015, 179, 203-210. | 0.8 | 234 |
| 34 | Determinants of physical activity in young adults with tetralogy of Fallot. <i>Cardiology in the Young</i> , 2014, 24, 20-26. | 0.4 | 10 |
| 35 | Functional and haemodynamic assessment of mild-to-moderate pulmonary valve stenosis at rest and during exercise. <i>Heart</i> , 2014, 100, 1354-1359. | 1.2 | 14 |
| 36 | Exercise-based cardiac rehabilitation improves endothelial function assessed by flow-mediated dilation but not by pulse amplitude tonometry*. <i>European Journal of Preventive Cardiology</i> , 2014, 21, 39-48. | 0.8 | 48 |

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|----|--|-----|-----------|
| 37 | Physical activity: From epidemiological evidence to individualized patient management. <i>International Journal of Cardiology</i> , 2014, 170, 350-357. | 0.8 | 17 |
| 38 | Testâ€“retest reliability of muscle vibration effects on postural sway. <i>Gait and Posture</i> , 2014, 40, 166-171. | 0.6 | 15 |
| 39 | Aerobic Interval Training vs. Moderate Continuous Training in Coronary Artery Disease Patients: A Systematic Review and Meta-Analysis. <i>Sports Medicine</i> , 2014, 44, 687-700. | 3.1 | 108 |
| 40 | Supporting Health Care Professionals to Improve the Processes of Shared Decision Making and Self-Management in a Web-Based Intervention: Randomized Controlled Trial. <i>Journal of Medical Internet Research</i> , 2014, 16, e211. | 2.1 | 17 |
| 41 | Cardiovascular Evaluation of Master Athletes and Middle-aged/Senior Individuals Engaged in Leisure-time Sport Activities. <i>Cardiac Electrophysiology Clinics</i> , 2013, 5, 33-42. | 0.7 | 0 |
| 42 | Neurocognition in clinical high risk young adults who did or did not convert to a first schizophrenic psychosis: A meta-analysis. <i>Schizophrenia Research</i> , 2013, 149, 48-55. | 1.1 | 97 |
| 43 | A Systematic Review of the Relationship between Physical Activities in Sports or Daily Life and Postural Sway in Upright Stance. <i>Sports Medicine</i> , 2013, 43, 1171-1189. | 3.1 | 107 |
| 44 | Rationale and design of a randomized trial on the effectiveness of aerobic interval training in patients with coronary artery disease: The SAINTEX-CAD study. <i>International Journal of Cardiology</i> , 2013, 168, 3532-3536. | 0.8 | 15 |
| 45 | Usefulness of cardiopulmonary exercise testing to predict the development of arterial hypertension in adult patients with repaired isolated coarctation of the aorta. <i>International Journal of Cardiology</i> , 2013, 168, 2037-2041. | 0.8 | 30 |
| 46 | The Effect of Exercise on the Cardiovascular Risk Factors Constituting the Metabolic Syndrome. <i>Sports Medicine</i> , 2013, 43, 121-133. | 3.1 | 225 |
| 47 | Exercise Capacity, Physical Activity, and Obesity in Adults With Repaired Aortic Coarctation. <i>Journal of Cardiovascular Nursing</i> , 2013, 28, 66-73. | 0.6 | 16 |
| 48 | Right ventricular load and function during exercise in patients with open and closed atrial septal defect type secundum. <i>European Journal of Preventive Cardiology</i> , 2013, 20, 597-604. | 0.8 | 17 |
| 49 | Increased pulmonary artery pressures during exercise are related to persistent tricuspid regurgitation after atrial septal defect closure. <i>Acta Cardiologica</i> , 2013, 68, 365-372. | 0.3 | 12 |
| 50 | Genetic Predisposition Scores Associate with Muscular Strength, Size, and Trainability. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 1451-1459. | 0.2 | 24 |
| 51 | Clinical recommendations for cardiopulmonary exercise testing data assessment in specific patient populations. <i>European Heart Journal</i> , 2012, 33, 2917-2927. | 1.0 | 243 |
| 52 | Clinical Recommendations for Cardiopulmonary Exercise Testing Data Assessment in Specific Patient Populations. <i>Circulation</i> , 2012, 126, 2261-2274. | 1.6 | 596 |
| 53 | Importance of characteristics and modalities of physical activity and exercise in defining the benefits to cardiovascular health within the general population: recommendations from the EACPR (Part I). <i>European Journal of Preventive Cardiology</i> , 2012, 19, 670-686. | 0.8 | 107 |
| 54 | Importance of characteristics and modalities of physical activity and exercise in the management of cardiovascular health in individuals with cardiovascular risk factors: recommendations from the EACPR (Part II). <i>European Journal of Preventive Cardiology</i> , 2012, 19, 1005-1033. | 0.8 | 223 |

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|----|---|-----|-----------|
| 55 | Determinants of cardiorespiratory fitness at 3, 6 and 12 months poststroke. Disability and Rehabilitation, 2012, 34, 1835-1842. | 0.9 | 31 |
| 56 | Reproducibility of different methods to measure the endothelial function. Vascular Medicine, 2012, 17, 79-84. | 0.8 | 102 |
| 57 | Serial exercise testing in children, adolescents and young adults with Senning repair for transposition of the great arteries. BMC Cardiovascular Disorders, 2012, 12, 88. | 0.7 | 22 |
| 58 | In adults with atrial switch operation for transposition of the great arteries low physical activity relates to reduced exercise capacity and decreased perceived physical functioning. Acta Cardiologica, 2012, 67, 49-57. | 0.3 | 16 |
| 59 | Muscular strength and diameter as determinants of aerobic power and aerobic power response to exercise training in CAD patients. Acta Cardiologica, 2012, 67, 399-406. | 0.3 | 8 |
| 60 | Psychometric properties of the Flemish version of the MacNew Heart Disease Health-related Quality of Life questionnaire. Acta Cardiologica, 2012, 67, 31-39. | 0.3 | 13 |
| 61 | Predictors of mid-term event-free survival in adults with corrected tetralogy of Fallot. Acta Cardiologica, 2012, 67, 415-421. | 0.3 | 16 |
| 62 | Physical fitness, rather than self-reported physical activities, is more strongly associated with low back pain: evidence from a working population. European Spine Journal, 2012, 21, 1265-1272. | 1.0 | 67 |
| 63 | Ankle proprioception is not targeted by exercises on an unstable surface. European Journal of Applied Physiology, 2012, 112, 1577-1585. | 1.2 | 58 |
| 64 | A Web-Based Intervention for Health Professionals and Patients to Decrease Cardiovascular Risk Attributable to Physical Inactivity: Development Process. JMIR Research Protocols, 2012, 1, e21. | 0.5 | 22 |
| 65 | Impact of Resistance Training on Blood Pressure and Other Cardiovascular Risk Factors. Hypertension, 2011, 58, 950-958. | 1.3 | 436 |
| 66 | A genetic predisposition score for muscular endophenotypes predicts the increase in aerobic power after training: the CAREGENE study. BMC Genetics, 2011, 12, 84. | 2.7 | 38 |
| 67 | Measures of exercise capacity in adults with congenital heart disease. International Journal of Cardiology, 2011, 153, 26-30. | 0.8 | 75 |
| 68 | The CAREGENE study: genetic variants of the endothelium and aerobic power in patients with coronary artery disease. Acta Cardiologica, 2011, 66, 407-414. | 0.3 | 7 |
| 69 | Regional right ventricular deformation in patients with open and closed atrial septal defect. European Journal of Echocardiography, 2011, 12, 206-213. | 2.3 | 39 |
| 70 | Physical activity and low back pain: a systematic review of recent literature. European Spine Journal, 2011, 20, 826-845. | 1.0 | 267 |
| 71 | Predictors of healthcare professionals' intention and behaviour to encourage physical activity in patients with cardiovascular risk factors. BMC Public Health, 2011, 11, 246. | 1.2 | 30 |
| 72 | Randomized Controlled Study of Home-Based Treadmill Training for Ambulatory Children With Spina Bifida. Neurorehabilitation and Neural Repair, 2011, 25, 597-606. | 1.4 | 44 |

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|----|---|-----|-----------|
| 73 | Reproducibility of Maximal and Submaximal Exercise Testing in "Normal Ambulatory" and "Community Ambulatory" Children and Adolescents With Spina Bifida: Which Is Best for the Evaluation and Application of Exercise Training?. <i>Physical Therapy</i> , 2011, 91, 267-276. | 1.1 | 35 |
| 74 | Risk of sports: do we need a pre-participation screening for competitive and leisure athletes?. <i>European Heart Journal</i> , 2011, 32, 934-944. | 1.0 | 193 |
| 75 | Measuring Psychosocial Variables in Patients With (Sub) Acute Low Back Pain Complaints, at Risk for Chronicity. <i>Spine</i> , 2010, 35, 447-452. | 1.0 | 25 |
| 76 | Cardiovascular risk profile: Cross-sectional analysis of motivational determinants, physical fitness and physical activity. <i>BMC Public Health</i> , 2010, 10, 592. | 1.2 | 29 |
| 77 | Recommendations for interpretation of 12-lead electrocardiogram in the athlete. <i>European Heart Journal</i> , 2010, 31, 243-259. | 1.0 | 730 |
| 78 | Assessment of physical activity " a review of methodologies with reference to epidemiological research: a report of the exercise physiology section of the European Association of Cardiovascular Prevention and Rehabilitation. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2010, 17, 127-139. | 3.1 | 419 |
| 79 | Physical Activity and 5-Year Cognitive Decline in the Doetinchem Cohort Study. <i>Annals of Epidemiology</i> , 2010, 20, 473-479. | 0.9 | 36 |
| 80 | Treadmill Testing of Children Who Have Spina Bifida and Are Ambulatory: Does Peak Oxygen Uptake Reflect Maximum Oxygen Uptake?. <i>Physical Therapy</i> , 2009, 89, 679-687. | 1.1 | 33 |
| 81 | Variant on 9p21 strongly associates with coronary heart disease, but lacks association with common stroke. <i>European Journal of Human Genetics</i> , 2009, 17, 1287-1293. | 1.4 | 42 |
| 82 | Physical activity and low back pain: A U-shaped relation?. <i>Pain</i> , 2009, 143, 21-25. | 2.0 | 264 |
| 83 | Standards for the use of cardiopulmonary exercise testing for the functional evaluation of cardiac patients: a report from the Exercise Physiology Section of the European Association for Cardiovascular Prevention and Rehabilitation. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2009, 16, 249-267. | 3.1 | 308 |
| 84 | Physical fitness matters more than physical activity in controlling cardiovascular disease risk factors. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2009, 16, 677-683. | 3.1 | 125 |
| 85 | Methodological approach to the first and second lactate threshold in incremental cardiopulmonary exercise testing. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2008, 15, 726-734. | 3.1 | 319 |
| 86 | Position paper of the Belgian Working Group on Cardiovascular Prevention and Rehabilitation: cardiovascular rehabilitation. <i>Acta Cardiologica</i> , 2008, 63, 673-681. | 0.3 | 11 |
| 87 | Psychosocial Variables in Patients With (Sub)Acute Low Back Pain. <i>Spine</i> , 2007, 32, 586-592. | 1.0 | 85 |
| 88 | The future of adult patients after Mustard or Senning repair for transposition of the great arteries. <i>International Journal of Cardiology</i> , 2006, 113, 209-214. | 0.8 | 22 |
| 89 | The CAREGENE study: polymorphisms of the β 1-adrenoceptor gene and aerobic power in coronary artery disease. <i>European Heart Journal</i> , 2006, 27, 808-816. | 1.0 | 53 |
| 90 | Low-dose exercise training does not influence cardiac autonomic control in healthy sedentary men aged 55-75 years. <i>Journal of Sports Sciences</i> , 2006, 24, 1137-1147. | 1.0 | 31 |

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| 91 | Cardiovascular pre-participation screening of young competitive athletes for prevention of sudden death: proposal for a common European protocol. <i>European Heart Journal</i> , 2005, 26, 516-524. | 1.0 | 1,037 |
| 92 | Recommendations for competitive sports participation in athletes with cardiovascular disease: A consensus document from the Study Group of Sports Cardiology of the Working Group of Cardiac Rehabilitation and Exercise Physiology and the Working Group of Myocardial and Pericardial Diseases of the European Society of Cardiology. <i>European Heart Journal</i> , 2005, 26, 1422-1445. | 1.0 | 860 |
| 93 | How to assess physical activity? How to assess physical fitness?. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2005, 12, 102-114. | 3.1 | 278 |
| 94 | Determinants of the effects of physical training and of the complications requiring resuscitation during exercise in patients with cardiovascular disease. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2004, 11, 304-312. | 3.1 | 66 |
| 95 | Effect of exercise training in patients with an implantable cardioverter defibrillator. <i>European Heart Journal</i> , 2004, 25, 1120-1126. | 1.0 | 89 |
| 96 | Tolerance of Liver Transplant Patients to Strenuous Physical Activity in High-Altitude. <i>American Journal of Transplantation</i> , 2004, 4, 554-560. | 2.6 | 27 |
| 97 | Effects of creatine supplementation and exercise training on fitness in men 55-75 yr old. <i>Journal of Applied Physiology</i> , 2003, 95, 818-828. | 1.2 | 79 |
| 98 | Depression and the Heart: A Systematic Overview of Definition, Measurement, Consequences and Treatment of Depression in Cardiovascular Disease. <i>European Journal of Cardiovascular Nursing</i> , 2002, 1, 45-55. | 0.4 | 26 |
| 99 | Exercise performance and training in patients with implantable cardioverter-defibrillators and coronary heart disease. <i>American Journal of Cardiology</i> , 2001, 87, 712-715. | 0.7 | 51 |
| 100 | Comparison of cardiac output measured by two automated methods of CO2 rebreathing. <i>Medicine and Science in Sports and Exercise</i> , 2000, 32, 1028-1034. | 0.2 | 27 |
| 101 | Evaluation of the Influence of Cardiorespiratory Fitness on Diverse Health Risk Factors, Independent of Waist Circumference, in 40-Year-Old Flemish Males. <i>Obesity</i> , 2000, 8, 553-558. | 4.0 | 6 |
| 102 | Comparison of Maximum Versus Submaximum Exercise Testing in Providing Prognostic Information After Acute Myocardial Infarction and/or Coronary Artery Bypass Grafting. <i>American Journal of Cardiology</i> , 1997, 80, 257-262. | 0.7 | 12 |
| 103 | Cardiopulmonary response to exercise after the Fontan Operation—a cross-sectional and longitudinal evaluation. <i>Cardiology in the Young</i> , 1996, 6, 136-142. | 0.4 | 11 |
| 104 | Prognostic value of training-induced change in peak exercise capacity in patients with myocardial infarcts and patients with coronary bypass surgery. <i>American Journal of Cardiology</i> , 1995, 76, 1014-1019. | 0.7 | 141 |
| 105 | Prognostic significance of peak exercise capacity in patients with coronary artery disease. <i>Journal of the American College of Cardiology</i> , 1994, 23, 358-363. | 1.2 | 172 |
| 106 | Effect of calcium channel blockade and beta-adrenoceptor blockade on short graded and single-level endurance exercises in normal men. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1988, 58, 87-91. | 1.2 | 12 |
| 107 | Assessment of stiffness of the hypertrophied left ventricle of bicyclists using left ventricular inflow doppler velocimetry. <i>Journal of the American College of Cardiology</i> , 1987, 9, 1250-1254. | 1.2 | 81 |
| 108 | Influence of β_1 - Versus β_2 -Adrenoceptor Blockade on Left Ventricular Function in Humans. <i>Journal of Cardiovascular Pharmacology</i> , 1986, 8, 1086-1091. | 0.8 | 14 |

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|-----|---|-----|-----------|
| 109 | Atrioventricular block induced in an athlete by carotid baroreceptor stimulation. American Heart Journal, 1985, 109, 1102-1104. | 1.2 | 3 |
| 110 | BRADYCARDIA, VENTRICULAR PAUSES, SYNCOPE, AND SPORTS. Lancet, The, 1984, 324, 990-991. | 6.3 | 0 |
| 111 | Influence of beta-adrenergic blockade on the hemodynamic effects of physical training in patients with ischemic heart disease. American Heart Journal, 1984, 108, 270-275. | 1.2 | 24 |
| 112 | Systolic time intervals in coronary heart disease at rest and during exercise: Effect of physical training with and without beta blockade. American Journal of Cardiology, 1984, 54, 508-513. | 0.7 | 9 |
| 113 | Electrocardiographic changes after physical training in patients with myocardial infarction. Journal of the American College of Cardiology, 1983, 2, 1068-1072. | 1.2 | 7 |