

Color-coded measures of myocardial velocity throughout the cardiac cycle using color Doppler imaging to quantify regional left ventricular function

American Heart Journal

131, 1203-1213

DOI: [10.1016/s0002-8703\(96\)90097-6](https://doi.org/10.1016/s0002-8703(96)90097-6)

Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Mitral annular descent velocity by tissue Doppler echocardiography as an index of global left ventricular function. American Journal of Cardiology, 1996, 77, 979-984. | 1.6 | 366 |
| 2 | DIASTOLIC MYOCARDIAL VELOCITY MEASUREMENTS. American Heart Journal, 1997, 133, 713. | 2.7 | 0 |
| 4 | CONCOMITANT NITROGLYCERIN AND rTPA. American Heart Journal, 1997, 133, 713-714. | 2.7 | 0 |
| 5 | Differences in Myocardial Velocity Gradient Measured Throughout the Cardiac Cycle in Patients With Hypertrophic Cardiomyopathy, Athletes and Patients With Left Ventricular Hypertrophy Due to Hypertension. Journal of the American College of Cardiology, 1997, 30, 760-768. | 2.8 | 204 |
| 6 | Doppler Tissue Imaging: A Noninvasive Technique for Evaluation of Left Ventricular Relaxation and Estimation of Filling Pressures. Journal of the American College of Cardiology, 1997, 30, 1527-1533. | 2.8 | 2,720 |
| 7 | Quantitative Tissue Doppler Echocardiography: Physiological Nonuniformity of Left Ventricular Transmural Myocardial Wall-Motion Velocities and Gradients. Echocardiography, 1997, 14, 545-552. | 0.9 | 9 |
| 8 | Quantitative Evaluation of the Segmental Left Ventricular Response to Dobutamine Stress by Tissue Doppler Echocardiography. American Journal of Cardiology, 1997, 79, 1036-1042. | 1.6 | 135 |
| 9 | Myocardial velocity gradient measured throughout the cardiac cycle in dilated cardiomyopathy hearts â€” A potential new parameter of systolic and diastolic myocardial function by Doppler myocardial imaging. European Journal of Ultrasound: Official Journal of the European Federation of Societies for Ultrasound in Medicine and Biology, 1997, 5, 141-154. | 1.3 | 9 |
| 10 | Perioperative management in geriatric patients. Acta Anaesthesiologica Scandinavica, 1998, 42, 127-131. | 1.6 | 1 |
| 11 | Novel Application of Tissue Doppler Imaging.. Echocardiography, 1998, 15, 553-561. | 0.9 | 5 |
| 12 | Quantification of the Myocardial Response to Low-Dose Dobutamine Using Tissue Doppler Echocardiographic Measures of Velocity and Velocity Gradient. American Journal of Cardiology, 1998, 81, 615-623. | 1.6 | 145 |
| 13 | Contraction and Relaxation Velocities of the Normal Left Ventricle Using Pulsed-Wave Tissue Doppler Echocardiography. American Journal of Cardiology, 1998, 81, 609-614. | 1.6 | 223 |
| 14 | Evaluation of left ventricular early diastolic performance by color tissue Doppler imaging of the mitral annulus. American Journal of Cardiology, 1998, 82, 1414-1417. | 1.6 | 61 |
| 15 | Color Doppler Imaging of the Myocardium: Current Status and Potential Clinical Applications. Ultrasound in Medicine and Biology, 1998, 24, 177-185. | 1.5 | 6 |
| 16 | Comparative Usefulness of Myocardial Velocity Gradient in Detecting Ischemic Myocardium by a Dobutamine Challenge. Journal of the American College of Cardiology, 1998, 31, 89-93. | 2.8 | 80 |
| 17 | Regional Mean Systolic Myocardial Velocity Estimation by Real-Time Color Doppler Myocardial Imaging: A New Technique for Quantifying Regional Systolic Function. Journal of the American Society of Echocardiography, 1998, 11, 683-692. | 2.8 | 164 |
| 18 | Three-dimensional echocardiographic evaluation of left ventricular volume: Comparison of Doppler myocardial imaging and standard gray-scale imaging with cineventriculographyâ€”an in vitro and in vivo study. American Heart Journal, 1998, 135, 970-979. | 2.7 | 10 |
| 19 | Effects of acute ischaemia on intramyocardial contraction heterogeneity; new ultrasound technologies to study an old phenomenon. European Heart Journal, 1999, 20, 327-337. | 2.2 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 20 | Assessment of Left Ventricular Systolic Function Using Color-Coded Tissue Doppler Echocardiography. Echocardiography, 1999, 16, 455-463. | 0.9 | 10 |
| 21 | Myocardial Velocity Gradient Assessed by a Tissue Doppler Imaging Technique. Echocardiography, 1999, 16, 465-472. | 0.9 | 4 |
| 22 | Quantitative Analysis of Tissue Doppler Data. Echocardiography, 1999, 16, 473-473. | 0.9 | 8 |
| 23 | Evaluation of Hemodynamic Determinants of Quantitative Tissue Doppler Echocardiography in the Assessment of Left Ventricular Function. Echocardiography, 1999, 16, 481-489. | 0.9 | 6 |
| 24 | Load-Independent Indices of Left Ventricular Function Using Automated Border Detection. Echocardiography, 1999, 16, 63-76. | 0.9 | 4 |
| 25 | Effects of arteriovenous shunt on ventricular function in dog. General Thoracic and Cardiovascular Surgery, 1999, 47, 116-120. | 0.4 | 3 |
| 26 | Value of low dose dobutamine Doppler tissue imaging for detecting hibernating myocardium. Journal of Tongji Medical University, 1999, 19, 42-45. | 0.1 | 0 |
| 27 | The effect of long-term training on age-related left ventricular changes by Doppler myocardial velocity gradient. American Journal of Cardiology, 1999, 84, 1061-1067. | 1.6 | 33 |
| 28 | Estimation of mean right atrial pressure using tissue Doppler imaging. American Journal of Cardiology, 1999, 84, 1448-1451. | 1.6 | 150 |
| 29 | Effect of Aging on Diastolic Left Ventricular Myocardial Velocities Measured by Pulsed Tissue Doppler Imaging in Healthy Subjects. Journal of the American Society of Echocardiography, 1999, 12, 574-581. | 2.8 | 108 |
| 30 | Differentiation of Abnormal Relaxation Pattern with Aging from Abnormal Relaxation Pattern with Coronary Artery Disease in Transmitral Flow with the Use of Tissue Doppler Imaging of the Mitral Annulus. Journal of the American Society of Echocardiography, 1999, 12, 629-635. | 2.8 | 33 |
| 31 | Use of Segmental Tissue Doppler Velocity to Quantitate Exercise Echocardiography. Journal of the American Society of Echocardiography, 1999, 12, 901-912. | 2.8 | 81 |
| 32 | Comparison of 2 Myocardial Velocity Gradient Assessment Methods During Dobutamine Infusion with Doppler Myocardial Imaging. Journal of the American Society of Echocardiography, 1999, 12, 22-31. | 2.8 | 19 |
| 33 | Reproducibility of Pulsed Wave Tissue Doppler Echocardiography. Journal of the American Society of Echocardiography, 1999, 12, 492-499. | 2.8 | 124 |
| 34 | Evaluation of the potential role of color-coded tissue Doppler echocardiography in the detection of allograft rejection in heart transplant recipients. American Heart Journal, 1999, 138, 721-730. | 2.7 | 59 |
| 35 | Noninvasive imaging in congenital heart disease. Current Opinion in Cardiology, 2000, 15, 224-237. | 1.8 | 8 |
| 36 | Esmolol-Induced Regional Wall Motion Abnormalities Do Not Affect Regional Ventricular Elastances. Anesthesia and Analgesia, 2000, 90, 252-261. | 2.2 | 5 |
| 37 | Tissue Doppler echocardiography. Current Opinion in Cardiology, 2000, 15, 323-329. | 1.8 | 49 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 38 | A Comparison of Regional Myocardial Velocity Information Derived by Pulsed and Color Doppler Techniques: An In Vitro and In Vivo Study. Echocardiography, 2000, 17, 639-651. | 0.9 | 72 |
| 39 | Enhanced echocardiographic techniques for imaging tissue. American Journal of Cardiology, 2000, 86, 25-27. | 1.6 | 7 |
| 40 | Assessment of regional left ventricular function during exercise test with pulsed tissue doppler imaging. American Journal of Cardiology, 2000, 86, 30-32. | 1.6 | 145 |
| 41 | Usefulness of the subendocardial myocardial velocity gradient in low-dose dobutamine stress echocardiography. Heart and Vessels, 2000, 15, 11-17. | 1.2 | 18 |
| 42 | Echocardiographic Characterization of Cardiomyopathy in Friedreich's Ataxia With Tissue Doppler Echocardiographically Derived Myocardial Velocity Gradients. Circulation, 2000, 102, 1276-1282. | 1.6 | 94 |
| 43 | Coronary Circulation and Myocardial Ischemia. , 2000, , . | | 0 |
| 44 | The GrÃ¼ntzig Lecture. European Heart Journal, 2000, 21, 1337-1357. | 2.2 | 148 |
| 45 | Esmolol-Induced Regional Wall Motion Abnormalities Do Not Affect Regional Ventricular Elastances. Anesthesia and Analgesia, 2000, 90, 252. | 2.2 | 12 |
| 46 | Normal Regional Right Ventricular Function and Its Change with Age: A Doppler Myocardial Imaging Study. Journal of the American Society of Echocardiography, 2000, 13, 194-204. | 2.8 | 285 |
| 47 | Differentiation Between Restrictive Cardiomyopathy and Constrictive Pericarditis by Early Diastolic Doppler Myocardial Velocity Gradient at the Posterior Wall. Circulation, 2000, 102, 655-662. | 1.6 | 96 |
| 48 | Right ventricular function in patients with first inferior myocardial infarction: Assessment by tricuspid annular motion and tricuspid annular velocity. American Heart Journal, 2000, 139, 710-715. | 2.7 | 148 |
| 49 | Effects of First Myocardial Infarction on Left Ventricular Systolic and Diastolic Function with the Use of Mitral Annular Velocity Determined by Pulsed Wave Doppler Tissue Imaging. Journal of the American Society of Echocardiography, 2000, 13, 343-352. | 2.8 | 140 |
| 50 | Acute regional myocardial ischemia identified by 2-dimensional multiregion Doppler imaging tissue technique. Journal of the American Society of Echocardiography, 2000, 13, 986-994. | 2.8 | 52 |
| 51 | Mean Myocardial Velocity Mapping in Quantifying Regional Myocardial Contractile Reserve in Patients with Impaired Left Ventricular Systolic Function: Doppler Myocardial Imaging Study. Journal of the American Society of Echocardiography, 2000, 13, 96-107. | 2.8 | 5 |
| 52 | Myocardial longitudinal motion by tissue velocity imaging in the evaluation of patients with myocardial infarction. Journal of the American Society of Echocardiography, 2000, 13, 818-826. | 2.8 | 41 |
| 53 | Relation of tissue Doppler derived myocardial velocities to myocardial structure and beta-adrenergic receptor density in humans. Journal of the American College of Cardiology, 2000, 36, 891-896. | 2.8 | 209 |
| 54 | Hemodynamic determinants of the mitral annulus diastolic velocities by tissue Doppler. Journal of the American College of Cardiology, 2001, 37, 278-285. | 2.8 | 499 |
| 55 | Regional myocardial systolic function during acute myocardial ischemia assessed by strain Doppler echocardiography. Journal of the American College of Cardiology, 2001, 37, 726-730. | 2.8 | 239 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 56 | Regional asynchrony during acute myocardial ischemia quantified by ultrasound strain rate imaging. Journal of the American College of Cardiology, 2001, 37, 1141-1148. | 2.8 | 122 |
| 57 | New insights into regional systolic and diastolic left ventricular function with tissue doppler echocardiography: from qualitative analysis to a quantitative approach. Journal of the American Society of Echocardiography, 2001, 14, 85-96. | 2.8 | 56 |
| 58 | Age-dependent changes in regional diastolic function evaluated by color doppler myocardial imaging: A comparison with pulsed doppler indexes of global function. Journal of the American Society of Echocardiography, 2001, 14, 959-969. | 2.8 | 30 |
| 59 | Color-coded tissue Doppler assessment of the effects of acute ischemia on regional left ventricular function: Comparison with sonomicrometry. Journal of the American Society of Echocardiography, 2001, 14, 335-342. | 2.8 | 24 |
| 60 | Recent Advances in Echocardiographic Evaluation of Left Ventricular Anatomy, Perfusion, and Function. Cardiology in Review, 2001, 9, 146-159. | 1.4 | 8 |
| 61 | Assessment of regional long-axis function during dobutamine echocardiography. Clinical Science, 2001, 100, 423-432. | 4.3 | 28 |
| 62 | Assessment of regional long-axis function during dobutamine echocardiography. Clinical Science, 2001, 100, 423. | 4.3 | 23 |
| 63 | <title>Ultrasound Doppler tissue image analysis based on neural network</title>. , 2001, 4555, 87. | | 1 |
| 64 | Myocardial rapid velocity distribution. Ultrasound in Medicine and Biology, 2001, 27, 481-498. | 1.5 | 67 |
| 65 | Pulsed Tissue Doppler Imaging to Assess Myocardial Viability by Quantification of Regional Myocardial Functional Reserve. Echocardiography, 2001, 18, 657-664. | 0.9 | 7 |
| 66 | Doppler myocardial imaging in the assessment of normal and ischemic myocardial function--past, present and future. International Journal of Cardiovascular Imaging, 2001, 17, 89-98. | 0.6 | 9 |
| 67 | Doppler Tissue Echocardiography: Myocardial Wall Motion Velocities in Essential Hypertension. European Journal of Echocardiography, 2001, 2, 108-117. | 2.3 | 40 |
| 68 | Diastolic Filling and Pressure Imaging: Taking Advantage of the Information in a Colour M-mode Doppler Image. European Journal of Echocardiography, 2001, 2, 219-233. | 2.3 | 21 |
| 69 | Left ventricular wall motion during diastolic filling in endurance-trained athletes. Medicine and Science in Sports and Exercise, 2001, 33, 189-195. | 0.4 | 24 |
| 70 | Assessment of left ventricular long axis contraction can detect early myocardial dysfunction in asymptomatic patients with severe aortic regurgitation. British Heart Journal, 2001, 85, 30-36. | 2.1 | 120 |
| 71 | Is Doppler tissue velocity during early left ventricular filling preload independent?. British Heart Journal, 2002, 87, 336-339. | 2.1 | 68 |
| 72 | Adenosine provokes diastolic dysfunction in microvascular angina. Postgraduate Medical Journal, 2002, 78, 40-42. | 1.8 | 20 |
| 73 | Does Dobutamine Improve Ventricular Function in Dogs with Regional Myocardial Dysfunction?. Anesthesia and Analgesia, 2002, 95, 19-25. | 2.2 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 74 | Tissue Doppler imaging for the assessment of left ventricular systolic and diastolic functions. Current Opinion in Cardiology, 2002, 17, 431-442. | 1.8 | 69 |
| 75 | Right Ventricular Volume Measurement Using the Conductance Catheter Method: Validation in Excised Porcine Hearts. ASAIO Journal, 2002, 48, 514-519. | 1.6 | 4 |
| 76 | Quantification of Left Ventricular Systolic Function by Tissue Doppler Echocardiography. Circulation, 2002, 105, 2071-2077. | 1.6 | 186 |
| 77 | Assessment of left atrial appendage wall velocities by transesophageal tissue Doppler echocardiography: A clinical study in patients with sinus rhythm. Journal of the American Society of Echocardiography, 2002, 15, 425-432. | 2.8 | 25 |
| 78 | Analysis of the myocardial velocities in patients with mitral stenosis. Journal of the American Society of Echocardiography, 2002, 15, 1472-1478. | 2.8 | 40 |
| 79 | Intramyocardial analysis of regional systolic and diastolic function in ischemic heart disease with Doppler tissue imaging: Role of the different myocardial layers. Journal of the American Society of Echocardiography, 2002, 15, 99-108. | 2.8 | 25 |
| 80 | Acute effects of smoking on diastolic function in healthy participants: Studies by conventional doppler echocardiography and doppler tissue imaging. Journal of the American Society of Echocardiography, 2002, 15, 1232-1237. | 2.8 | 44 |
| 81 | Pulsed doppler tissue imaging in dystrophinopathic cardiomyopathy. Journal of the American Society of Echocardiography, 2002, 15, 891-899. | 2.8 | 36 |
| 82 | Estimation of Global Left Ventricular Function from the Velocity of Longitudinal Shortening. Echocardiography, 2002, 19, 177-185. | 0.9 | 48 |
| 83 | Strain Rate Imaging: An In Vitro "Validation" Study Using a Physiologic Balloon Model Mimicking the Left Ventricle. Echocardiography, 2002, 19, 669-677. | 0.9 | 10 |
| 84 | Myocardial ischemia assessed by Tc99m MIBI SPECT and left ventricle regional systolic and diastolic function evaluated by tissue Doppler echocardiography. International Journal of Cardiovascular Imaging, 2003, 19, 315-321. | 0.6 | 5 |
| 85 | Pulsed Doppler tissue imaging can help to identify patients with right ventricular infarction. Heart and Vessels, 2003, 18, 112-116. | 1.2 | 31 |
| 86 | Predictors of left ventricular reverse remodeling after cardiac resynchronization therapy for heart failure secondary to idiopathic dilated or ischemic cardiomyopathy. American Journal of Cardiology, 2003, 91, 684-688. | 1.6 | 580 |
| 87 | Second-generation tissue Doppler with angle-corrected color-coded wall displacement for quantitative assessment of regional left ventricular function. American Journal of Cardiology, 2003, 92, 554-560. | 1.6 | 24 |
| 88 | Dynamic myocardial velocity changes between phases of the cardiac cycle. Ultrasound in Medicine and Biology, 2003, 29, 1077-1084. | 1.5 | 2 |
| 89 | Quantitation of Papillary Muscle Function with Tissue and Strain Doppler Echocardiography Measures Papillary Muscle Contractile Functions. Echocardiography, 2003, 20, 137-144. | 0.9 | 8 |
| 90 | Regional Left Ventricle Mechanical Asynchrony in Patients with Heart Disease and Normal QRS Duration: Implication for Biventricular Pacing Therapy. PACE - Pacing and Clinical Electrophysiology, 2003, 26, 562-570. | 1.2 | 84 |
| 91 | Illusion of contraction from Out-of-Plane translation: can doppler tissue velocities resolve it?. Journal of the American Society of Echocardiography, 2003, 16, 832-840. | 2.8 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 92 | Myocardial velocity gradient as a noninvasively determined index of left ventricular diastolic dysfunction in patients with hypertrophic cardiomyopathy. Journal of the American College of Cardiology, 2003, 42, 278-285. | 2.8 | 62 |
| 93 | Tissue Doppler, strain, and strain rate echocardiography for the assessment of left and right systolic ventricular function. British Heart Journal, 2003, 89, 9iii-17. | 2.1 | 149 |
| 94 | Peak Mean Myocardial Velocities and Velocity Gradients Measured by Color M-Mode Tissue Doppler Imaging in Healthy Cats. Journal of Veterinary Internal Medicine, 2003, 17, 510-524. | 1.6 | 30 |
| 95 | Myocardial time intervals preceding left ventricular filling in chronic coronary artery disease: value of a decreased septal ejection time. International Journal of Cardiology, 2003, 89, 33-44. | 1.7 | 9 |
| 96 | Tissue Doppler analysis is hindered in abnormal wall motion and changes in afterload. International Journal of Cardiology, 2003, 90, 81-90. | 1.7 | 6 |
| 97 | Assessment of left ventricular function using mitral annular velocities in patients with congestive heart failure with or without the presence of significant mitral regurgitation. Journal of the American Society of Echocardiography, 2003, 16, 240-245. | 2.8 | 44 |
| 98 | Quantitative analysis of sinoatrial node using Doppler tissue images. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2003, 50, 1336-1341. | 3.0 | 1 |
| 99 | Use of myocardial tissue Doppler imaging for intraoperative monitoring of left ventricular function. British Journal of Anaesthesia, 2003, 91, 473-480. | 3.4 | 30 |
| 100 | New Parameters in Identification of Right Ventricular Myocardial Infarction and Proximal Right Coronary Artery Lesion. Chest, 2003, 124, 219-226. | 0.8 | 74 |
| 101 | New Insights into Septal Anterior Wall Motion Velocities at End-Systole in Normal and Hypertrophied Left Ventricles. European Heart Journal Cardiovascular Imaging, 2003, 4, 108-111. | 1.2 | 5 |
| 102 | Imaging of wavefront propagation of rapid velocity components in heart wall at end-systole. , 0, , . | | 0 |
| 103 | Subclinical left ventricular dysfunction in asymptomatic patients with Type II diabetes mellitus, related to serum lipids and glycated haemoglobin. Clinical Science, 2003, 105, 591-599. | 4.3 | 174 |
| 104 | Novel Approach to the Quantitation of Regional Left Ventricular Systolic and Diastolic Function Using Tissue Doppler Imaging to Create a Myocardial Velocity Profile and Gradient. Circulation Journal, 2003, 67, 416-422. | 1.6 | 18 |
| 105 | Regional myocardial function in healthy adults: assessment through tissue Doppler echocardiography. Arquivos Brasileiros De Cardiologia, 2003, 80, 465-82. | 0.8 | 2 |
| 106 | Viscoelasticity measurement of heart wall in in vivo. , 0, , . | | 1 |
| 107 | Multiscale Motion Mapping. Circulation, 2004, 110, 3093-3099. | 1.6 | 25 |
| 108 | Three?Directional Myocardial Motion Assessed Using 3D Phase Contrast MRI. Journal of Cardiovascular Magnetic Resonance, 2004, 6, 627-636. | 3.3 | 31 |
| 109 | Echocardiographic evaluation before and after cardiac transplantation. Cardiology in the Young, 2004, 14, 88-92. | 0.8 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 110 | Advances in methods for surveillance of rejection. <i>Cardiology in the Young</i> , 2004, 14, 93-96. | 0.8 | 10 |
| 111 | Evaluation of Left Atrial Appendage Functions in Patients with Thrombus and Spontaneous Echo Contrast in Left Atrial Appendage by Using Color Doppler Tissue Imaging. <i>Annals of Noninvasive Electrocardiology</i> , 2004, 9, 345-351. | 1.1 | 6 |
| 112 | Evaluation of abnormal motion of interventricular septum after coronary artery bypass grafting operation: assessment by ultrasonic strain rate imaging. <i>Journal of the American Society of Echocardiography</i> , 2004, 17, 711-716. | 2.8 | 11 |
| 113 | Left and right ventricular adaptation assessed by doppler tissue echocardiography in athletes. <i>Journal of the American Society of Echocardiography</i> , 2004, 17, 205-211. | 2.8 | 74 |
| 114 | Diastolic performance assessed by tissue Doppler after pediatric heart transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2004, 23, 865-872. | 0.6 | 31 |
| 115 | Tissue Doppler imaging in the evaluation of left ventricular diastolic function. <i>Current Opinion in Cardiology</i> , 2004, 19, 437-441. | 1.8 | 55 |
| 116 | Left ventricular myocardial velocities in healthy children: quantitative assessment by tissue Doppler echocardiography and relation to the characteristics of filling of the left ventricle. <i>Cardiology in the Young</i> , 2004, 14, 156-163. | 0.8 | 21 |
| 117 | Hemodynamic Monitoring Utilizing Transesophageal Echocardiography. <i>Chest</i> , 2005, 127, 379-390. | 0.8 | 70 |
| 118 | Understanding Nonresponders of Cardiac Resynchronization Therapy-Current and Future Perspectives. <i>Journal of Cardiovascular Electrophysiology</i> , 2005, 16, 1117-1124. | 1.7 | 541 |
| 119 | Analysis of Atrial and Ventricular Performance by Tissue Doppler Imaging in Patients with Atrial Septal Defects before and after Surgical and Catheter Closure. <i>Echocardiography</i> , 2005, 22, 579-585. | 0.9 | 49 |
| 120 | Relation of Right Ventricular Free Wall Mechanical Delay to Right Ventricular Dysfunction as Determined by Tissue Doppler Imaging. <i>American Journal of Cardiology</i> , 2005, 96, 602-606. | 1.6 | 145 |
| 121 | Renewed Interest in Preejectional Isovolumic Phase: New Applications of Tissue Doppler Indexes: Implications to Ventricular Dyssynchrony. <i>American Journal of Cardiology</i> , 2005, 96, 1022-1030. | 1.6 | 28 |
| 122 | Right ventricular dyssynchrony in patients with pulmonary hypertension is associated with disease severity and functional class. <i>Cardiovascular Ultrasound</i> , 2005, 3, 23. | 1.6 | 114 |
| 123 | PEEP and cardiac output. , 2005, , 297-315. | | 0 |
| 124 | Propagation of spontaneously actuated pulsive vibration in human heart wall and in vivo viscoelasticity estimation. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2005, 52, 1931-1942. | 3.0 | 191 |
| 125 | Detection of Prominent Left Anterior Descending Coronary Artery Stenosis for Patients with Stable Angina Using Doppler Tissue Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2005, 18, 821-829. | 2.8 | 4 |
| 126 | Tissue Doppler echocardiographic evidence of atrial mechanical dysfunction in coronary artery disease. <i>International Journal of Cardiology</i> , 2005, 105, 178-185. | 1.7 | 65 |
| 127 | Right Ventricular Dyssynchrony in Heart Failure: A Tissue Doppler Imaging Study. <i>Journal of Cardiac Failure</i> , 2006, 12, 263-267. | 1.7 | 35 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 128 | Prediction of fluid responsiveness using respiratory variations in left ventricular stroke area by tranoesophageal echocardiographic automated border detection in mechanically ventilated patients. Critical Care, 2006, 10, R171. | 5.8 | 42 |
| 129 | Tissue Doppler Assessment of Ventricular Function during Cycling in 7- to 12-yr-old Boys. Medicine and Science in Sports and Exercise, 2006, 38, 1216-1222. | 0.4 | 17 |
| 130 | Evaluation of Cardiac Global Function Using the Myocardial Performance Index by Tissue Doppler Echocardiography in Patients With Uremia. Journal of Ultrasound in Medicine, 2006, 25, 1563-1569. | 1.7 | 5 |
| 131 | Cardiovascular responses to static exercise in boys: insights from tissue Doppler imaging. European Journal of Applied Physiology, 2006, 97, 637-642. | 2.5 | 13 |
| 132 | Visualization of Propagation of Pulse Vibration along the Heart Wall and Imaging of its Propagation Speed. , 2006, 2006, 699-702. | | 1 |
| 133 | 2H-5 Regional Differences in Phase Velocity of Pulsive Wave Propagating Along the Heart Wall. , 2006, , . | | 2 |
| 134 | Evaluation of right ventricular volume and function by 2D and 3D echocardiography compared to MRI. European Journal of Echocardiography, 2006, 7, 430-438. | 2.3 | 249 |
| 135 | Diastolic heart failure in anaesthesia and critical care. British Journal of Anaesthesia, 2007, 98, 707-721. | 3.4 | 172 |
| 136 | Ultrasonic Imaging of Propagation of Contraction and Relaxation in the Heart Walls at High Temporal Resolution. Japanese Journal of Applied Physics, 2007, 46, 4889. | 1.5 | 44 |
| 137 | Role of Tissue Doppler and Strain Echocardiography in Current Clinical Practice. Circulation, 2007, 116, 2597-2609. | 1.6 | 280 |
| 138 | Full Motion and Flow Field Recovery From Echo Doppler Data. IEEE Transactions on Medical Imaging, 2007, 26, 31-45. | 8.9 | 41 |
| 139 | Tissue Doppler Imaging. Journal of the American College of Cardiology, 2007, 49, 1903-1914. | 2.8 | 508 |
| 141 | Abnormal Right Ventricular Myocardial Strain Generation in Mild Pulmonary Hypertension. Echocardiography, 2007, 24, 615-622. | 0.9 | 39 |
| 142 | Correlation of Tricuspid Annular Velocities With Invasive Hemodynamics in Pulmonary Hypertension. Congestive Heart Failure, 2007, 13, 200-204. | 2.0 | 35 |
| 144 | Familial Mediterranean fever attacks do not alter functional and morphological tissue Doppler echocardiographic parameters. Rheumatology International, 2008, 28, 1239-1243. | 3.0 | 12 |
| 145 | Utility of Right Ventricular Tissue Doppler Imaging: Correlation with Right Heart Catheterization. Echocardiography, 2008, 25, 706-711. | 0.9 | 42 |
| 146 | Normal Range of Mechanical Variables in Pulmonary Hypertension: A Tissue Doppler Imaging Study. Echocardiography, 2008, 25, 864-872. | 0.9 | 24 |
| 147 | New Echocardiographic Techniques for Evaluating Left Ventricular Myocardial Function. Seminars in Cardiothoracic and Vascular Anesthesia, 2008, 12, 228-247. | 1.0 | 26 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 148 | Identifying right ventricular dysfunction with tissue Doppler imaging in pulmonary hypertension. International Journal of Cardiology, 2008, 128, 359-363. | 1.7 | 37 |
| 149 | Accurate ultrasonic measurement of myocardial regional strain rate at high temporal and spatial resolutions. , 2008, , . | | 1 |
| 150 | Role of echocardiography in the diagnosis and management of asymptomatic severe aortic stenosis. Expert Review of Cardiovascular Therapy, 2008, 6, 223-233. | 1.5 | 3 |
| 153 | Assessment of Left Ventricular Functions in Patients With Isolated Coronary Artery Ectasia by Conventional and Tissue Doppler Imaging. Angiology, 2008, 59, 306-311. | 1.8 | 16 |
| 154 | <i>In Vivo</i> Cardiac, Acoustic-Radiation-Force-Driven, Shear Wave Velocimetry. Ultrasonic Imaging, 2009, 31, 201-213. | 2.6 | 75 |
| 155 | Echocardiographic evaluation of systolic heart failure. Australasian Journal of Ultrasound in Medicine, 2009, 12, 21-29. | 0.6 | 0 |
| 156 | In Vitro Evaluation of Ultrasound-Assisted Thrombolysis Using a Targeted Ultrasound Contrast Agent. Ultrasonic Imaging, 2009, 31, 235-246. | 2.6 | 7 |
| 158 | Tissue Doppler Imaging of Right Ventricular Decompensation in Pulmonary Hypertension. Congestive Heart Failure, 2009, 15, 271-276. | 2.0 | 31 |
| 159 | Left Ventricular Systolic Function of Newborns with Asphyxia Evaluated by Tissue Doppler Imaging. Pediatric Cardiology, 2009, 30, 741-746. | 1.3 | 51 |
| 160 | Pulmonary Hypertension Affects Left Ventricular Basal Twist: A Novel Use for Speckleâ€¢Tracking Imaging. Echocardiography, 2009, 26, 44-51. | 0.9 | 23 |
| 161 | Altered Early Left Ventricular Diastolic Wall Velocities in Pulmonary Hypertension: A Tissue Doppler Study. Echocardiography, 2009, 26, 1159-1166. | 0.9 | 8 |
| 162 | Differential strain and velocity generation along the right ventricular free wall in pulmonary hypertension. Canadian Journal of Cardiology, 2009, 25, e73-e77. | 1.7 | 26 |
| 163 | Newer Quantification Technique for the Left Ventricular Wall Motion Analyses. , 2009, , 89-101. | | 0 |
| 164 | Demonstration of regional differences in equine ventricular myocardial velocity in normal 2-year-old Thoroughbreds with Doppler tissue imaging. Equine Veterinary Journal, 2010, 37, 222-226. | 1.7 | 20 |
| 165 | Myocardial Performance in Asphyxiated Full-Term Infants Assessed by Doppler Tissue Imaging. Pediatric Cardiology, 2010, 31, 634-642. | 1.3 | 42 |
| 166 | Normative reference values for the tissue Doppler imaging parameters of left ventricular function: a population-based study. European Journal of Echocardiography, 2010, 11, 51-56. | 2.3 | 118 |
| 167 | Two-Dimensional Tracking of Heart Wall for Detailed Analysis of Heart Function at High Temporal and Spatial Resolutions. Japanese Journal of Applied Physics, 2010, 49, 07HF14. | 1.5 | 30 |
| 168 | Left intraventricular diastolic and systolic pressure gradients. Experimental Biology and Medicine, 2011, 236, 1364-1372. | 2.4 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 169 | Echocardiographic Assessment of Myocardial Strain. Journal of the American College of Cardiology, 2011, 58, 1401-1413. | 2.8 | 394 |
| 170 | Normal Parameters of Right Ventricular Mechanics With Exertion in Healthy Individuals: A Tissue Doppler Imaging Study. American Journal of the Medical Sciences, 2011, 341, 23-27. | 1.1 | 7 |
| 171 | Left Atrial Distensibility and E/e' for Estimating Left Ventricular Filling Pressure in Patients With Stable Angina - A Comparative Echocardiography and Catheterization Study -. Circulation Journal, 2011, 75, 1942-1950. | 1.6 | 38 |
| 172 | Strain Value in the Assessment of Left Ventricular Function and Prediction of Heart Failure Markers in Aortic Regurgitation. Echocardiography, 2011, 28, 983-992. | 0.9 | 12 |
| 173 | Acoustic Radiation Force-Driven Assessment of Myocardial Elasticity Using the Displacement Ratio Rate (DRR) Method. Ultrasound in Medicine and Biology, 2011, 37, 1087-1100. | 1.5 | 27 |
| 174 | Noninvasive Diagnosis of Cardiac Allograft Rejection Using Echocardiography Indices of Systolic and Diastolic Function. Transplantation Proceedings, 2011, 43, 3877-3881. | 0.6 | 27 |
| 175 | Early Echocardiographic Findings in β^2 -Thalassemia Intermedia Patients Using Standard and Tissue Doppler Methods. Pediatric Cardiology, 2011, 32, 154-159. | 1.3 | 16 |
| 176 | Myocardial dysfunction in neonatal sepsis. Pediatric Critical Care Medicine, 2012, 13, 318-323. | 0.5 | 44 |
| 177 | Tissue Doppler Imaging Predicts Adverse Outcome in Children with Idiopathic Pulmonary Arterial Hypertension. Journal of Pediatrics, 2012, 161, 1126-1131.e2. | 1.8 | 47 |
| 178 | Components of Left Ventricular Ejection and Filling in Patients With Aortic Regurgitation Assessed by Speckle-Tracking Echocardiography. Medicina (Lithuania), 2012, 48, 5. | 2.0 | 6 |
| 179 | Effect of cardiovascular autonomic neuropathy (CAN) on left ventricular function in normotensive type 1 diabetic patients: A study by pulsed wave tissue Doppler echocardiography. Egyptian Heart Journal, 2012, 64, 7-13. | 1.2 | 1 |
| 180 | Myocardial performance in children with autoimmune hepatitis: Doppler tissue imaging study. European Journal of Pediatrics, 2013, 172, 1511-1519. | 2.7 | 3 |
| 181 | Rapid Quantification of Mean Myocardial Wall Velocity in Ischemic Cardiomyopathy by Cardiac Magnetic Resonance: An Index of Cardiac Functional Abnormalities during the Cardiac Cycle. Journal of Clinical & Experimental Cardiology, 2014, 05, . | 0.0 | 2 |
| 182 | Characterization of dysfunctional remote myocardium in left ventricular anterior aneurysms and improvements following surgical ventricular restoration using cardiac magnetic resonance imaging: preliminary results. Interactive Cardiovascular and Thoracic Surgery, 2014, 19, 368-374. | 1.1 | 9 |
| 183 | Does Surgically Induced Right Bundle Branch Block Really Effect Ventricular Function in Children After Ventricular Septal Defect Closure?. Pediatric Cardiology, 2015, 36, 481-488. | 1.3 | 16 |
| 184 | Assessment of Cardiac Functions in Children with Sick Cell Anemia: Doppler Tissue Imaging Study. Archives of Medical Research, 2015, 46, 462-469. | 3.3 | 3 |
| 185 | Assessment of Myocardial Function in Children before and after Autologous Peripheral Blood Stem Cell Transplantation. Echocardiography, 2016, 33, 82-89. | 0.9 | 11 |
| 186 | Maternal obesity affects fetal myocardial function as early as in the first trimester. Ultrasound in Obstetrics and Gynecology, 2016, 47, 433-442. | 1.7 | 43 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 187 | Automatic Segmentation of Mechanically Inhomogeneous Tissues Based on Deformation Gradient Jump. IEEE Transactions on Medical Imaging, 2016, 35, 29-41. | 8.9 | 6 |
| 188 | Demonstration of velocity selective myocardial arterial spin labeling perfusion imaging in humans. Magnetic Resonance in Medicine, 2018, 80, 272-278. | 3.0 | 16 |
| 189 | Estimation of two-dimensional motion velocity using ultrasonic signals beamformed in Cartesian coordinate for measurement of cardiac dynamics. Japanese Journal of Applied Physics, 2018, 57, 07LF03. | 1.5 | 19 |
| 190 | Improved velocity-selective labeling pulses for myocardial ASL. Magnetic Resonance in Medicine, 2020, 84, 1909-1918. | 3.0 | 18 |
| 191 | Pathophysiology of Diastole and Left Ventricular Filling in Humans: Noninvasive Evaluation. , 1998, , 172-192. | | 1 |
| 192 | Quantitative Assessment of Alterations in Regional Left Ventricular Contractility With Color-Coded Tissue Doppler Echocardiography. Circulation, 1997, 95, 2423-2433. | 1.6 | 270 |
| 193 | Cardiac Contractility Is Not Depressed in Early Canine Endotoxic Shock. American Journal of Respiratory and Critical Care Medicine, 2000, 161, 1087-1093. | 5.6 | 32 |
| 194 | Prognostic Significance of Right Ventricular Dimension on Acute Decompensation in Chronic Left-Sided Heart Failure. International Heart Journal, 2011, 52, 119-126. | 1.0 | 12 |
| 195 | Quantitative Assessment of Wall Motion Using Myocardial Strain. Journal of Echocardiography, 2003, 1, 23-28. | 0.8 | 9 |
| 196 | The Role of Tissue Doppler Imaging as a New Diagnostic Option in Evaluating Left Ventricular Function. Journal of Echocardiography, 2003, 1, 29-42. | 0.8 | 9 |
| 197 | Cardiac functions assessment in children with celiac disease and its correlation with the degree of mucosal injury: Doppler tissue imaging study. Saudi Journal of Gastroenterology, 2016, 22, 441. | 1.1 | 7 |
| 198 | Assessment of no-reflow phenomenon by myocardial blush grade and pulsed wave tissue doppler imaging in patients with acute coronary syndrome. Journal of Cardiovascular Echography, 2014, 24, 52. | 0.4 | 1 |
| 199 | Tissue Doppler in Ischemic Heart Disease. , 0, , . | | 3 |
| 200 | Transesophageal Echocardiography: The Relationship between Pressure, Flow and Function. Yearbook of Intensive Care and Emergency Medicine, 2000, , 680-695. | 0.1 | 0 |
| 201 | Quantitative Echocardiographic Evaluation of Cardiac Function. , 2002, , 75-89. | | 0 |
| 202 | Ultrasound Imaging of Propagation of Rapid and Minute Velocity Components in Heart Wall. Acoustical Imaging, 2004, , 439-446. | 0.2 | 0 |
| 203 | Imaging of transient in myocardial contraction and relaxation by measuring strain rate at high temporal resolution. Choonpa Igaku, 2007, 34, 439-448. | 0.0 | 0 |
| 205 | Novos par metros ecocardiogr ficos para an lise da fun  o ventricular esquerda [New echocardiographic parameters for left ventricular function analysis]. Experts in Ultrasound Reviews and Perspectives, 2010, 2, 198-204. | 0.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 207 | Hemodynamic Assessment of the Critically ill Patient Using Transesophageal Echocardiography. Update in Intensive Care and Emergency Medicine, 1997, , 157-173. | 0.6 | 1 |
| 208 | Quantitative Intraoperative Echocardiographic Assessment of Ventricular Function. Developments in Cardiovascular Medicine, 1997, , 163-188. | 0.1 | 0 |
| 209 | Myokard-Doppler bei koronarer Herzkrankheit. , 1998, , 193-204. | | 0 |
| 210 | Measurement and Applications of Arterial and Ventricular Pressure-Dimension Relationships in Animals and Humans. , 1998, , 222-235. | | 0 |
| 211 | The Predictive Value of Tissue Doppler for Left Ventricular Recovery and Remodeling after Primary Percutaneous Coronary Intervention. Journal of Cardiology & Current Research, 2014, 1, . | 0.1 | 1 |
| 212 | Update on new technologies in pediatric echocardiography. Texas Heart Institute Journal, 1997, 24, 278-86. | 0.3 | 3 |