Citation Report

List of articles citing

Speckle-tracking echocardiography: a new technique for assessing myocardial function

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#	Paper	IF	Citations
370	Hcc-1 is a novel component of the nuclear matrix with growth inhibitory function. **2004**, 61, 2264-73		31
369	Right atrial speckle tracking analysis as a novel noninvasive method for pulmonary hemodynamics assessment in patients with chronic systolic heart failure. **2011**, 28, 658-64		44
368	Left ventricular twisting as determinant of diastolic function: a speckle tracking study in patients with cardiac hypertrophy. **2011**, 28, 892-8		20
367	Echocardiographic speckle-tracking based strain imaging for rapid cardiovascular phenotyping in mice. **2011**, 108, 908-16		172
366	Speckle tracking-derived myocardial tissue deformation imaging in twin-twin transfusion syndrome: differences in strain and strain rate between donor and recipient twins. **2012**, 32, 131-7		39
365	Assessment of fetal myocardial deformation using speckle tracking techniques. **2012**, 32, 39-46		53
364	Left atrial speckle tracking analysis in patients with mitral insufficiency and history of paroxysmal atrial fibrillation. **2012**, 28, 1663-70		45
363	Right ventricular longitudinal strain correlates well with right ventricular stroke work index in patients with advanced heart failure referred for heart transplantation. **2012**, 18, 208-15		54
362	Cardiac Involvement. **2012**, 373-393		1
361	Assessment of left ventricular systolic function by vector velocity imaging. **2012**, 64, 532; author reply 533		
360	Murine ultrasound imaging for circumferential strain analyses in the angiotensin II abdominal aortic aneurysm model. **2012**, 56, 462-9		29
359	Left atrial deformation analysis by speckle tracking echocardiography for prediction of cardiovascular outcomes. **2012**, 110, 264-9		149
358	Novel echocardiographic techniques to assess left atrial size, anatomy and function. **2012**, 10, 4		84
357	Assessment of myocardial viability in patients with acute myocardial infarction by two-dimensional speckle tracking echocardiography combined with low-dose dobutamine stress echocardiography. **2013**, 29, 1017-28		20
356	Quantification of left ventricular longitudinal strain by two-dimensional speckle tracking: a comparison between expert and non-expert readers. **2013**, 29, 1451-8		7
355	Left atrial remodelling in patients undergoing transcatheter aortic valve implantation: a speckle-tracking prospective, longitudinal study. **2013**, 29, 1717-24		21
354	Improvement of left ventricular longitudinal systolic function after transcatheter aortic valve implantation: a speckle-tracking prospective study. **2013**, 29, 1007-15		22

353	Automatic segmentation of right ventricular ultrasound images using sparse matrix transform and a level set. **2013**, 58, 7609-24		25
352	A new twist on an old idea: a two-dimensional speckle tracking assessment of cyclosporine as a therapeutic alternative for heart failure with preserved ejection fraction. **2013**, 1, e00174		15
351	Left ventricular remodeling and torsion dynamics in hypertensive patients. **2013**, 29, 79-86		35
350	Speckle tracking echocardiography in acute myocarditis. **2013**, 29, 275-84		74
349	Heart failure with preserved ejection fraction: chronic low-intensity interval exercise training preserves myocardial O2 balance and diastolic function. **2013**, 114, 131-47		50
348	Comparison of the right and left ventricular performance during the fetal development using velocity vector imaging. **2013**, 89, 675-81		18
347	Reverse left ventricular remodeling after percutaneous mitral valve repair: strain analysis by speckle tracking echocardiography and cardiac magnetic resonance imaging. *International Journal of Cardiology*, **2013**, 168, 4983-5	3.2	9
346	Comparison of right versus left ventricular strain analysis as a predictor of outcome in patients with systolic heart failure referred for heart transplantation. **2013**, 112, 1778-84		63
345	Severity of aortic stenosis predicts early post-operative normalization of left atrial size and function detected by myocardial strain. *International Journal of Cardiology*, **2013**, 167, 1450-5	3.2	32
344	Feasibility and reproducibility of systolic right ventricular strain measurement by speckle-tracking echocardiography in premature infants. **2013**, 26, 1201-1213		66
343	Left ventricular twist in clinically stable heart transplantation recipients: a speckle tracking echocardiography study. *International Journal of Cardiology*, **2013**, 168, 357-61	3.2	7
342	Speckle tracking echocardiography as a new technique to evaluate right ventricular function in patients with left ventricular assist device therapy. **2013**, 32, 424-30		57
341	Detection of Cardiac Quiescence from B-Mode Echocardiography Using a Correlation-Based Frame-to-Frame Deviation Measure. **2013**, 1,		9
340	Age- and sex-based reference limits and clinical correlates of myocardial strain and synchrony: the Framingham Heart Study. **2013**, 6, 692-9		88
339	Acute effects of an energy drink on myocardial function assessed by conventional echo-Doppler analysis and by speckle tracking echocardiography on young healthy subjects. **2013**, 2013, 646703		13
338	APPL1 transgenic mice are protected from high-fat diet-induced cardiac dysfunction. **2013**, 305, E795-804		30
337	Influence of positive end-expiratory pressure on myocardial strain assessed by speckle tracking echocardiography in mechanically ventilated patients. **2013**, 2013, 918548		20
336	Can serum tenascin-C be used as a marker of inflammation in patients with dilated cardiomyopathy?. **2013**, 2013, 608563		4

335	Feasibility of strain and strain rate evaluation by two-dimensional speckle tracking in murine model of myocardial infarction: comparison with tissue Doppler echocardiography. **2013**, 14, 136-43		5
334	Evaluation of changes in left ventricular myocardial function observed in canine myocardial dysfunction model using a two-dimensional tissue tracking technique. **2013**, 14, 355-62		4
333	Development of left ventricular longitudinal speckle tracking echocardiography in very low birth weight infants with and without bronchopulmonary dysplasia during the neonatal period. **2014**, 9, e106504		19
332	Impaired left ventricular apical rotation is associated with disease activity of psoriatic arthritis. **2014**, 41, 706-13		13
331	Menopausal cardiomyopathy: does it really exist? A case-control deformation imaging study. **2014**, 40, 1748-53		5
330	iPSC-derived human mesenchymal stem cells improve myocardial strain of infarcted myocardium. **2014**, 18, 1644-54		35
329	Temporally diffeomorphic cardiac motion estimation from three-dimensional echocardiography by minimization of intensity consistency error. **2014**, 41, 052902		7
328	Automated functional imaging for assessment of left ventricular mechanics in the presence of left ventricular hypertrophy. **2014**, 31, 605-14		8
327	Renal sympathetic denervation inhibits the development of left ventricular mechanical dyssynchrony during the progression of heart failure in dogs. **2014**, 12, 47		4
326	Improving the performance of phase-change perfluorocarbon droplets for medical ultrasonography: current progress, challenges, and prospects. **2014**, 2014, 579684		40
325	Quantitative imaging biomarkers for the evaluation of cardiovascular complications in type 2 diabetes mellitus. **2014**, 28, 234-42		6
324	Diabetic heart disease: insights from cardiac mechanics. **2014**, 27, 489-92		4
323	Right ventricular strain as a novel approach to analyze right ventricular performance in patients with heart failure. *Heart Failure Reviews*, **2014**, 19, 603-10	5	25
322	Pre-operative left atrial strain predicts post-operative atrial fibrillation in patients undergoing aortic valve replacement for aortic stenosis. **2014**, 30, 279-86		32
321	Normal left ventricular mechanics by two-dimensional speckle-tracking echocardiography. Reference values in healthy adults. **2014**, 67, 651-8		61
320	LV mechanics in mitral and aortic valve diseases: value of functional assessment beyond ejection fraction. **2014**, 7, 1151-66		39
319	Association of hypercholesterolemia and cardiac function evaluated by speckle tracking echocardiography in a rabbit model. **2014**, 13, 128		9
318	Images as drivers of progress in cardiac computational modelling. **2014**, 115, 198-212		37

317	Primary Carnitine deficiency in the Faroe Islands: health and cardiac status in 76 adult patients diagnosed by screening. **2014**, 37, 223-30		19
316	Speckle characterization methods in ultrasound images□A review. **2014**, 35, 202-213		15
315	Mec□ica ventricular izquierda normal mediante ecocardiograf□ speckle tracking bidimensional. Valores de referencia para adultos sanos. **2014**, 67, 651-658		103
314	Preoperative tissue Doppler imaging-derived atrial conduction time can predict postoperative atrial fibrillation in patients undergoing aortic valve replacement for aortic valve stenosis. **2014**, 78, 2173-81		12
313	Ventricular and atrial mechanics and their interaction in patients with congenital scoliosis without clinical heart failure. *Cardiology in the Young*, **2015**, 25, 976-83	1	0
312	Echocardiographic Assessment of the Right Ventricle, from the Conventional Approach to Speckle Tracking and Three-Dimensional Imaging, and Insights into the "Right Way" to Explore the Forgotten Chamber. **2015**, 9, 65-75		63
311	Neurohumoral improvement and torsional dynamics in patients with heart failure after treatment with levosimendan. *IJC Heart and Vasculature*, **2015**, 7, 153-157	2.4	4
310	Non-invasive assessment of vascular alteration using ultrasound. **2015**, 21, 25		5
309	Usefulness of Speckle-Tracking Imaging for Right Ventricular Assessment after Acute Myocardial Infarction: A Magnetic Resonance Imaging/Echocardiographic Comparison within the Relation between Aldosterone and Cardiac Remodeling after Myocardial Infarction Study. **2015**, 28, 818-27.e4		32
308	Early detection of subclinical left ventricular myocardial dysfunction in patients with chronic kidney disease. **2015**, 16, 539-48		33
307	Cancer therapy-induced cardiotoxicity: role of ultrasound deformation imaging as an aid to early diagnosis. **2015**, 41, 627-43		23
306	Speckle tracking and myocardial tissue imaging in infant of diabetic mother with gestational and pregestational diabetes. **2015**, 36, 445-53		49
305	Definitions for a common standard for 2D speckle tracking echocardiography: consensus document of the EACVI/ASE/Industry Task Force to standardize deformation imaging. **2015**, 28, 183-93		428
304	How to define end-diastole and end-systole?: Impact of timing on strain measurements. **2015**, 8, 148-57		44
303	[Echocardiographic evaluation of systolic left ventricular function in heart failure: value of alternative parameters for determination of ejection fraction]. **2015**, 40, 185-93		1
302	Assessment of right ventricular functional recovery after acute myocardial infarction by 2D speckle-tracking echocardiography. **2015**, 31, 537-45		10
301	Right Intraventricular Dyssynchrony in Idiopathic, Heritable, and Anorexigen-Induced Pulmonary Arterial Hypertension: Clinical Impact and Reversibility. **2015**, 8, 642-52		62
300	Quantifying "normalized" regional left ventricular contractile function in ischemic coronary artery disease. **2015**, 150, 240-6		3

299	Speckle-Tracking Strain Imaging Identifies Alterations in Left Atrial Mechanics With General Anesthesia and Positive-Pressure Ventilation. **2015**, 29, 845-51	6
298	Comparison of left ventricular mechanics in runners versus bodybuilders using speckle tracking echocardiography. **2015**, 13, 7	19
297	RV Longitudinal Deformation Correlates With Myocardial Fibrosis in Patients With End-Stage Heart Failure. **2015**, 8, 514-522	58
296	Nicorandil improves myocardial function by regulating plasma nitric oxide and endothelin-1 in coronary slow flow. **2015**, 26, 114-20	21
295	The role of left atrial imaging in the management of atrial fibrillation. **2015**, 58, 136-51	16
294	At the Heart of the Matter: An Overview of Adult Echocardiography for the Non□ardiac Sonographer. **2015**, 31, 221-232	0
293	Biventricular response of the heart to endurance exercise training in previously untrained subjects. **2015**, 32, 779-86	3
292	Definitions for a common standard for 2D speckle tracking echocardiography: consensus document of the EACVI/ASE/Industry Task Force to standardize deformation imaging. **2015**, 16, 1-11	541
291	Left atrial function by speckle-tracking echocardiography in chronic asymptomatic alcoholic patients. **2015**, 15, 189-96	8
290	Left ventricular strain modifications after maximal exercise in athletes: a speckle tracking study. **2015**, 32, 920-7	10
289	Traditional and innovative echocardiographic parameters for the analysis of right ventricular performance in comparison with cardiac magnetic resonance. **2015**, 16, 47-52	127
288	Echocardiographic assessment of global longitudinal right ventricular function in patients with an acute inferior ST elevation myocardial infarction and proximal right coronary artery occlusion. **2015**, 31, 497-507	11
287	Mechanical dyssynchrony and deformation imaging in patients with functional mitral regurgitation. **2016**, 8, 146-62	2
286	Speckle tracking echocardiography in the critically ill: enticing research with minimal clinical practicality or the answer to non-invasive cardiac assessment?. **2016**, 44, 542-51	13
285	Echocardiographic analysis of the left ventricular function in young athletes: a focus on speckle tracking imaging. **2016**, 25, 171	4
284	Fetal Right Ventricular Diverticulum Detected by Prenatal Ultrasound Screening. **2016**, 2016, 6382920	2
283	Speckle tracking analysis: a new tool for left atrial function analysis in systemic hypertension: an overview. **2016**, 17, 339-43	24
282	Left atrial strain: A useful index in atrial fibrillation. *International Journal of Cardiology*, **2016**, 220, 208-13 3.2	64

281	2D speckle tracking echocardiography for the assessment of regional contractile reserve after myocardial infarction. **2016**, 17, 374-81		4
280	Impact of pulse pressure on left ventricular global longitudinal strain in normotensive and newly diagnosed, untreated hypertensive patients. **2016**, 34, 1201-7		24
279	Detection of Left Atrium Myopathy Using Two-Dimensional Speckle Tracking Echocardiography in Patients with End-Stage Renal Disease on Dialysis Therapy. **2016**, 33, 233-41		8
278	Strain Imaging: The Emergence of Speckle Tracking Echocardiography into Clinical Pediatric Cardiology. **2016**, 11, 199-207		16
277	Prospective validation of right ventricular role in primary graft dysfunction after lung transplantation. **2016**, 48, 1732-1742		4
276	Automatic atrium contour tracking in ultrasound imaging. **2016**, 23, 401-411		12
275	Natural History, Diagnostic Approaches, and Therapeutic Strategies for Patients With Asymptomatic Severe Aortic Stenosis. **2016**, 67, 2263-2288		139
274	Frame rate required for speckle tracking echocardiography: A quantitative clinical study with open-source, vendor-independent software. *International Journal of Cardiology*, **2016**, 218, 31-36	3.2	7
273	Strain longitudinal global: un par□metro □il para evaluar disfunci□ ventricular izquierda subcl□ica en el s□drome metab□co. **2016**, 23, 112-119		4
272	Comparison of left ventricular manual versus automated derived longitudinal strain: implications for clinical practice and research. **2016**, 32, 429-37		22
271	Take a deep breath and check your heart. **2016**, 30, 758-9		
270	Value of resting myocardial deformation assessment by two dimensional speckle tracking echocardiography to predict the presence, extent and localization of coronary artery affection in patients with suspected stable coronary artery disease. **2016**, 68, 171-179		10
269	Longitudinal Strain Stress-Echo Evaluation of Aged Marginal Donor Hearts: Feasibility in the Adonhers Project. **2016**, 48, 399-401		3
268	TAPSE: An old but useful tool in different diseases. *International Journal of Cardiology*, **2016**, 225, 177-183	3.2	33
267	Relative Elastic Modulus Imaging Using Sector Ultrasound Data for Abdominal Applications: An Evaluation of Strategies and Feasibility. **2016**, 63, 1432-40		5
266	The Role of Echocardiography in the Evaluation of Pulmonary Arterial Hypertension. **2016**, 33, 105-16		12
265	Normal myocardial strain values using 2D speckle tracking echocardiography in healthy adults aged 20 to 72´years. **2016**, 33, 1665-1675		43
264	Impaired longitudinal deformation measured by speckle-tracking echocardiography in children with end-stage renal disease. *Pediatric Nephrology*, **2016**, 31, 1499-508	3.2	15

263	Evaluation of Left Ventricular Diastolic Dysfunction with Early Systolic Dysfunction Using Two-Dimensional Speckle Tracking Echocardiography in Canine Heart Failure Model. **2016**, 33, 618-27		1
262	Role of 2D Strain in the Early Identification of Cardiac Dysfunction and in the Risk Stratification of Arteriogenic Erectile Dysfunction Patients. **2016**, 13, 1227-32		1
261	Left Ventricular Deformation and Myocardial Fibrosis in Patients With Advanced Heart Failure Requiring Transplantation. **2016**, 22, 901-907		56
260	Assessment of left ventricular function in young type 1 diabetes mellitus patients by two-dimensional speckle tracking echocardiography: Relation to duration and control of diabetes. **2016**, 68, 217-225		4
259	First Evidence of Cardiac Stem Cells From the Left Ventricular Apical Tip in Patients With Left Ventricular Assist Device Implantation. **2016**, 48, 395-8		2
258	Optimal Acquisition Settings for Speckle Tracking Echocardiography-Derived Strains in Infants: An In Vitro Study. **2016**, 42, 1660-70		9
257	Left ventricular deformation associated with cardiomyocyte Ca(2+) transients delay in early stage of low-dose of STZ and high-fat diet induced type 2 diabetic rats. **2016**, 16, 41		15
256	Increased pulsatility in the fetal ductus venosus is not related to altered cardiac strain in high-risk pregnancies. **2016**, 29, 1328-33		3
255	Optimization-Based Speckle Tracking Algorithm for Left Ventricle Strain Estimation: A Feasibility Study. **2016**, 63, 1093-106		2
254	Saxagliptin and Tadalafil Differentially Alter Cyclic Guanosine Monophosphate (cGMP) Signaling and Left Ventricular Function in Aortic-Banded Mini-Swine. **2016**, 5, e003277		20
253	Novel echocardiographic techniques for the evaluation of athletes' heart: A focus on speckle-tracking echocardiography. **2016**, 23, 437-46		53
252	Quantitative assessment of systolic left ventricular function with speckle-tracking echocardiography in adult patients with repaired aortic coarctation. **2016**, 32, 777-87		16
251	Early detection of cardiac dysfunction in the type 1 diabetic heart using speckle-tracking based strain imaging. **2016**, 90, 74-83		24
250	The use of transthoracic echocardiography for the assessment of left ventricular systolic and diastolic function in patients with suspected or ascertained chronic heart failure. **2016**, 14, 37-50		4
249	Oxidative stress and cardiac dysfunction in children with chronic renal failure on regular hemodialysis. *Pediatric Nephrology*, **2016**, 31, 1329-39	3.2	8
248	Evaluation of right atrial function using right atrial speckle tracking analysis in patients with pulmonary artery hypertension. **2016**, 14, 30-8		35
247	Left ventricular diastolic dysfunction in type 2 diabetes patients: a novel 2D strain analysis based on cardiac magnetic resonance imaging. **2016**, 19, 1330-8		6
246	Ultrasonographic vascular mechanics to assess arterial stiffness: a review. **2016**, 17, 233-46		30

245	Speckle-tracking global longitudinal strain as an early predictor of cardiotoxicity in breast carcinoma. **2016**, 24, 3139-45		11
244	Echocardiographic assessment of left ventricular systolic function: from ejection fraction to torsion. *Heart Failure Reviews*, **2016**, 21, 77-94	5	60
243	Left atrial strain: a new parameter for assessment of left ventricular filling pressure. *Heart Failure Reviews*, **2016**, 21, 65-76	5	87
242	Reversibility of Left Ventricle Longitudinal Strain Alterations Induced by Adjuvant Therapy in Early Breast Cancer Patients. **2016**, 42, 125-32		10
241	[2D strain in dilated cardiomyopathy]. **2016**, 85, 51-2		
240	Cardiovascular maladaptation to exercise in young hypertensive patients. *International Journal of Cardiology*, **2017**, 232, 280-288	3.2	3
239	Obtaining the biomechanical behavior of ascending aortic aneurysm via the use of novel speckle tracking echocardiography. **2017**, 153, 781-788		19
238	Value of three-dimensional strain parameters for predicting left ventricular remodeling after ST-elevation myocardial infarction. **2017**, 33, 663-673		37
237	Exploratory assessment of left ventricular strain-volume loops in severe aortic valve diseases. **2017**, 595, 3961-3971		16
236	Decreased biventricular longitudinal strain shortly after congenital heart defect surgery. **2017**, 34, 446-452		4
235	Training-induced right ventricular remodelling in pre-adolescent endurance athletes: The athlete's heart in children. *International Journal of Cardiology*, **2017**, 236, 270-275	3.2	37
234	Evaluation of left ventricular functions in patients with primary hyperparathyroidism: is there any effect of parathyroidectomy?. **2017**, 129, 329-336		3
233	Strain imaging using cardiac magnetic resonance. *Heart Failure Reviews*, **2017**, 22, 465-476	5	145
232	Multimodality imaging approach in the diagnosis of chronic myocarditis with preserved left ventricular ejection fraction (MCpEF): The role of 2D speckle-tracking echocardiography. *International Journal of Cardiology*, **2017**, 243, 374-378	3.2	27
231	Subclinical Cardiac Dysfunction in Polymyositis and Dermatomyositis: A Speckle-tracking Case-control Study. **2017**, 44, 815-821		25
230	Effect of Hypoxemia on Fetal Ventricular Deformation in a Chronically Instrumented Sheep Model. **2017**, 43, 967-973		8
229	Changes in myocardial deformation after transcatheter and surgical aortic valve replacement. **2017** , 34, 603-613		8
228	Left ventricular hypertrophy or storage disease? the incremental value of speckle tracking strain bull's-eye. **2017**, 34, 746-759		28

227	Left atrial deformation: Useful index for early detection of cardiac damage in chronic mitral regurgitation. *IJC Heart and Vasculature*, **2017**, 17, 17-22	2.4	19
226	The role of cardiovascular ultrasound in diagnosis and management of pulmonary embolism. **2017**, 13, 465-477		2
225	Assessment of left ventricular function in healthy Great Danes and in Great Danes with dilated cardiomyopathy using speckle tracking echocardiography. **2017**, 19, 363-375		8
224	The repeatability and characteristics of right ventricular longitudinal strain imaging by speckle-tracking echocardiography in healthy dogs. **2017**, 19, 351-362		12
223	Organ-level validation of a cross-bridge cycling descriptor in a left ventricular finite element model: effects of ventricular loading on myocardial strains. **2017**, 5, e13392		18
222	Changes in cardiac function and structure in newly diagnosed Graves' disease. A conventional and 2D-speckle tracking echocardiography study. **2017**, 33, 187-195		11
221	Differentiation of light-chain cardiac amyloidosis from hypertrophic cardiomyopathy using myocardial mechanical parameters by velocity vector imaging echocardiography. **2017**, 33, 499-507		3
220	Right ventricular dysfunction after cardiac surgery - diagnostic options. **2017**, 51, 114-121		10
219	Normal reference values of multilayer longitudinal strain according to age decades in a healthy population: A single-centre experience. **2018**, 19, 1390-1396		35
218	Comparison of cardiac displacements in a murine model of myocardial ischemia using Cardiac Elastography and speckle tracking echocardiography. **2017**,		
217	What Echocardiographic Measure Should Be Used to Assess Right Ventricular Function in Tetralogy of Fallot?. **2017**, 5,		0
216	Enhanced Right-Chamber Remodeling in Endurance Ultra-Trail Athletes Compared to Marathon Runners Detected by Standard and Speckle-Tracking Echocardiography. **2017**, 8, 527		2
215	Systematic Left Ventricular Assist Device Implant Eligibility with Non-Invasive Assessment: The SIENA Protocol. **2017**, 25, 39-46		11
214	The Imaging Diagnosis of Less Advanced Cases of Cardiac Amyloidosis: The Relative Apical Sparing Pattern. **2017**, 56, 315-319		4
213	Echocardiographic Techniques of Deformation Imaging in the Evaluation of Maternal Cardiovascular System in Patients with Complicated Pregnancies. **2017**, 2017, 4139635		7
212	Echocardiographic assessment of right ventricle free wall strain for prediction of right coronary artery proximal lesion in patients with inferior myocardial infarction. **2018**, 34, 1109-1116		4
211	Use of the Speckle tracking method for determining global parameters of heart contractility in healthy individuals. **2018**, 5, 125-135		5
210	Galectin-3 is associated with left ventricular reverse remodeling and outcome after percutaneous mitral valve repair. *International Journal of Cardiology*, **2018**, 263, 104-110	3.2	4

209	Speckle tracking analysis in intensive care unit: A toy or a tool?. **2018**, 35, 506-519		5
208	The correlation between cardiac magnetic resonance T2* and left ventricular global longitudinal strain in people with □thalassemia. **2018**, 35, 438-444		10
207	Layer-specific deformation analysis in severe aortic valve stenosis, primary mitral valve regurgitation, and healthy individuals validated against invasive hemodynamic measurements of heart function. **2018**, 35, 170-178		3
206	Arterial hypertension and atrial fibrillation: standard and advanced echocardiography from diagnosis to prognostication. **2018**, 19, 51-61		4
205	Left atrial remodelling may predict exercise capacity in obstructive sleep apnoea patients. **2018**, 73, 471-478		6
204	Use of speckle-tracking strain in preload-dependent patients, need for cautious interpretation!. **2018**, 8, 29		19
203	Alteraci□ del strain auricular izquierdo como predictor de fibrilaci□ auricular de nuevo comienzo tras recambio valvular a□tico, independientemente del tama□o de la aur□ula izquierda. **2018**, 71, 466-476		12
202	Subclinical left ventricular dysfunction and correlation with regional strain analysis in myocarditis with normal ejection fraction. A new diagnostic criterion. *International Journal of Cardiology*, **2018**, 259, 116-121	3.2	30
201	The importance of subclinical left ventricular dysfunction and blood pressure pattern in asymptomatic type-2 diabetic patients: the diagnostic and prognostic significance of Tissue Doppler parameters, left ventricular global longitudinal strain, and nighttime blood pressure during sleep. **2018**, 32, 41-47		3
200	Right ventricular speckle tracking assessment for differentiation of pressure- versus volume-overloaded right ventricle. **2018**, 38, 763-771		13
199	Mitral regurgitation severity correlates with symptoms and extent of left atrial dysfunction: Effect of mitral valve repair. **2018**, 46, 32-40		4
198	Recent technological advancements in cardiac ultrasound imaging. **2018**, 84, 329-340		19
197	Subclinical anthracycline-induced cardiotoxicity in long-term follow-up of asymptomatic childhood cancer survivors: Assessment by speckle tracking echocardiography. **2018**, 35, 234-240		16
196	Impaired Left Atrial Strain as a Predictor of New-onset Atrial Fibrillation After Aortic Valve Replacement Independently of Left Atrial Size. **2018**, 71, 466-476		9
195	Assessment of strain and dyssynchrony in normal fetuses using speckle tracking echocardiography - comparison of three different ultrasound probes. *Journal of Perinatal Medicine*, **2018**, 46, 960-967	2.7	6
194	Assessment of left ventricular ejection fraction in critically ill patients at the time of speckle tracking echocardiography: intensivists in training for echocardiography versus experienced operators. **2018**, 84, 1270-1278		6
193	Autres techniques d'imagerie ultrasonore cardiovasculaire. **2018**, 145-207		
192	Layer-specific strain in dipyridamole stress echo: A new tool for the diagnosis of microvascular angina. **2018**, 35, 2005-2013		9

191	Three-dimensional speckle-tracking echocardiography: benefits and limitations of integrating myocardial mechanics with three-dimensional imaging. **2018**, 8, 101-117	66
190	Myocardial Deformation Imaging. **2018**, 129-157	0
189	Speckle tracking-derived bi-atrial strain before and after eleven weeks of training in elite rowers. **2018**, 8, 14300	5
188	Echocardiography Evaluation of Left Ventricular Systolic Function, Systolic Dysfunction, and Ventricular Dyssynchrony. **2018**, 127-140	
187	Is Speckle Tracking Imaging Ready for Prime Time in Current Echo Clinical Practice?. **2018**, 61, 437-445	5
186	Comprehensive assessment of left ventricular myocardial function by two-dimensional speckle-tracking echocardiography. **2018**, 16, 16	3
185	Left atrial myocardial dysfunction after chronic abuse of anabolic androgenic steroids: a speckle tracking echocardiography analysis. **2018**, 34, 1549-1559	10
184	The predictive value of left ventricular myocardium mechanics evaluation in asymptomatic patients with aortic regurgitation and preserved left ventricular ejection fraction. A long-term speckle-tracking echocardiographic study. **2018**, 35, 1277-1288	8
183	The presence of fragmented QRS is associated with increased epicardial adipose tissue and subclinical myocardial dysfunction in healthy individuals. **2018**, 37, 469-475	4
182	Strain Evaluation in TAVR□urrent Evidence, Knowledge Gaps, and Future Directions. **2018**, 11, 1	2
181	Prognostic implications of left ventricular strain by speckle-tracking echocardiography in population-based studies: a systematic review protocol of the published literature. **2018**, 8, e023346	4
180	Use of Speckle Tracking Echocardiography to Assess Left Ventricular Systolic Function in Patients with Surgically Repaired Tetralogy of Fallot: Global and Segmental Assessment. **2018**, 39, 1669-1675	5
179	Left heart longitudinal deformation analysis in mitral regurgitation. **2018**, 34, 1741-1751	5
178	The presence of fragmented QRS is associated with increased epicardial adipose tissue and subclinical myocardial dysfunction in healthy individuals. **2018**, 37, 469-475	7
177	Prominent longitudinal strain reduction of left ventricular basal segments in treatment-na□e Anderson-Fabry disease patients. **2019**, 20, 438-445	26
176	Prediction of trastuzumab-induced cardiotoxicity in breast cancer patients receiving anthracycline-based chemotherapy. **2019**, 17, 76-83	17
175	Usefulness of right ventricular strain assessment in submassive pulmonary thromboembolism undergoing ultrasound-facilitated thrombolysis. **2019**, 36, 1581-1585	0
174	Viabilidad mioc□dica por ecocardiograf□. **2019**, 26, 19-30	

173	Effects of levosimendan in heart failure: The role of echocardiography. **2019**, 36, 1566-1572	4
172	Speckle tracking quantification of lung sliding for the diagnosis of pneumothorax: a multicentric observational study. **2019**, 45, 1212-1218	5
171	The early alteration of left ventricular strain and dys-synchrony index in breast cancer patients undergoing anthracycline therapy using layer-specific strain analysis. **2019**, 36, 1675-1681	5
170	Improvements of right ventricular function and hemodynamics after balloon pulmonary angioplasty in patients with chronic thromboembolic pulmonary hypertension. **2019**, 36, 2050-2056	9
169	Timing and magnitude of regional right ventricular function and their relationship with early hospital mortality in patients with acute pulmonary embolism. **2019**, 22, 26-32	1
168	Speckle-Tracking Echocardiography in Children With Duchenne Muscular Dystrophy: A Prospective Multicenter Controlled Cross-Sectional Study. **2019**, 32, 412-422	22
167	Impact of acute hyperglycemia on layer-specific left ventricular strain in asymptomatic diabetic patients: an analysis based on two-dimensional speckle tracking echocardiography. **2019**, 18, 68	10
166	Evaluation of left ventricular function in immunoglobulin-resistant children with Kawasaki disease: a two-dimensional speckle tracking echocardiography study. **2019**, 42, 753-759	4
165	Assessment of right ventricular function and relation to mortality after acute pulmonary embolism: A speckle tracking echocardiography-based study. **2019**, 36, 1298-1305	1
164	Evaluation of myocardial viability in patients with acute myocardial infarction: Layer-specific analysis of 2-dimensional speckle tracking echocardiography. **2019**, 98, e13959	5
163	Musculoskeletal application and validation of speckle-tracking ultrasonography. **2019**, 20, 192	6
162	Intracardiac Echocardiography, Computed Cardiac Tomography, and Magnetic Resonance Imaging for Guiding Mapping and Ablation. **2019**, 126-142.e6	
161	More than 10´years of speckle tracking echocardiography: Still a novel technique or a definite tool for clinical practice?. **2019**, 36, 958-970	34
160	Echocardiographic Strain in Clinical Practice. **2019**, 28, 1320-1330	22
159	Using speckle-tracking echocardiography to assess fetal myocardial deformation: are´we there yet?. **2019**, 54, 575-581	9
158	Right ventricular function and dyssynchrony measured by echocardiography in dogs with precapillary pulmonary hypertension. **2019**, 23, 1-14	7
157	Impact of left ventricular mass/end-diastolic volume ratio by three-dimensional echocardiography on two-dimensional global longitudinal strain and diastolic function in native hypertensive patients. **2019**, 37, 2041-2047	5
156	Three-dimensional echocardiography to assess left ventricular geometry and function. **2019**, 17, 801-815	5

155	Echocardiographic Assessment of Left Ventricular Systolic Function: An Overview of Contemporary Techniques, Including Speckle-Tracking Echocardiography. **2019**, 94, 125-138		33
154	Speckle tracking echocardiography in healthy children: comparison between the QLAB by Philips and the EchoPAC by General Electric. **2019**, 35, 799-809		3
153	A year in review in Minerva Anestesiologica 2018. Critical care. Experimental and clinical studies. **2019**, 85, 95-105		
152	Left atrial, ventricular and atrio-ventricular strain in patients with subclinical heart dysfunction. **2019**, 35, 249-258		22
151	Left ventricular hypertrophy and hypertension. **2020**, 63, 10-21		69
150	Evaluation of right ventricular dyssynchrony in patients with acute inferior myocardial infarction and its relation with mortality. **2020**, 37, 1610-1616		
149	Echocardiographic Strain Imaging in Coronary Artery Disease: The Added Value of a Quantitative Approach. **2020**, 38, 517-526		3
148	Assessment of right ventricular systolic function by tissue motion annular displacement in healthy dogs. **2020**, 32, 40-48		
147	Children with refractory epilepsy demonstrate alterations in myocardial strain. **2020**, 61, 2234-2243		5
146	Left Ventricular Myocardial Deformations in Hemodialysis Children by Speckle Tracking Echocardiography. **2020**, 14, 1179546820930015		0
145	The assessment of the fetal heart function using two-dimensional speckle tracking with a high frame rate. **2020**, 151, 105160		3
144	Recent Advances in Ultrasound Diagnosis of Carpal Tunnel Syndrome. *Diagnostics*, **2020**, 10,	3.8	19
143	3D Muscle Deformation Mapping at Submaximal Isometric Contractions: Applications to Aging Muscle. **2020**, 11, 600590		2
142	Speckle tracking echocardiography could detect the difference of pressure overload-induced myocardial remodelling between young and adult rats. **2020**, 17, 20190808		4
141	Rapid, Single-View Speckle-Tracking-Based Method for Examining Left Ventricular Systolic and Diastolic Function in Point of Care Ultrasound. *Journal of Ultrasound in Medicine*, **2020**, 39, 2151-2164	2.9	1
140	Quantification of left atrial wall motion in healthy horses using two-dimensional speckle tracking. **2020**, 30, 32-43		2
139	Artificial Intelligence-Based Assessment of Indices of Right Ventricular Function. **2020**, 34, 2698-2702		5
138	Two-dimensional speckle tracking echocardiography in goats: repeatability, variability, and validation of the technique using an exercise test and an experimentally induced acute ischemic cardiomyopathy. **2020**, 16, 56		3

137	Transverse Right Ventricle Strain and Strain Rate Assessed by 2-Dimensional Speckle Tracking Echocardiography in Dogs with Pulmonary Hypertension. **2020**, 7,		4
136	A Bibliometric Analysis of Citation Classics in the Journal of Ultrasound in Medicine. *Journal of Ultrasound in Medicine*, **2020**, 39, 1289-1297	2.9	3
135	Early Left Ventricular Systolic Dysfunction Detected by Two-Dimensional Speckle-Tracking Echocardiography in Young Patients with Congenital Generalized Lipodystrophy. **2020**, 13, 107-115		3
134	Global longitudinal reference ranges for fetal myocardial deformation in the second half of pregnancy. **2020**, 48, 396-404		3
133	Basal Segmental Longitudinal Strain: A Marker of Subclinical Myocardial Involvement in Anderson-Fabry Disease. **2021**, 34, 405-413.e2		3
132	Myocardial strain pattern progress in patients with Coarctation of the Aorta undergoing aortic stenting. **2021**, 38, 64-71		0
131	Assessment of subclinical diabetic cardiomyopathy by speckle-tracking imaging. **2021**, 51, e13475		5
130	Epicardial fat tissue can predict subclinical left ventricular dysfunction in patients with erectile dysfunction. **2021**, 24, 42-49		1
129	Myocardial deformation analysis combined with contrast stress-echocardiography an additional method for assessment of myocardial ischemia. **2021**, 16, 43		1
128	High-Intensity Focused Ultrasound Induced Changes in Left Ventricular Two-Dimensional Speckle-Tracking Strain in a Mouse Model. **2021**, 29, 158-159		
127	Segmentally impaired left ventricular longitudinal strain: a new predictive diagnostic parameter for asymptomatic patients with severe aortic stenosis and preserved ejection fraction. **2021**, 267659121995998		0
126	The effect of coronary slow flow on left atrial structure and function. **2021**, 11, 7511		1
125	Right Ventricular Global Longitudinal Strain as a Predictor of Acute and Early Right Heart Failure Post Left Ventricular Assist Device Implantation. **2021**,		1
124	Features of speckle tracking echocardiography for diagnosis of myocardial dysfunction. **2021**, 12, 5-10		1
123	Ultrasound Frequency-Based Monitoring for Bone Healing. **2021**, 27, 349-356		0
122	Cardiac complications associated with hematopoietic stem-cell transplantation. **2021**, 56, 2637-2643		0
121	Clinical Assessment of Ventricular Wall Stress in Understanding Compensatory Hypertrophic Response and Maladaptive Ventricular Remodeling. *Journal of Cardiovascular Development and Disease*, **2021**, 8,	4.2	0
120	Left ventricular longitudinal strain variations assessed by speckle-tracking echocardiography after a passive leg raising maneuver in patients with acute circulatory failure to predict fluid responsiveness: A prospective, observational study. **2021**, 16, e0257737		1

119	Cardiovascular magnetic resonance findings in young adult patients with acute myocarditis following mRNA COVID-19 vaccination: a case series. **2021**, 23, 101		15
118	Biventricular dysfunction and lung congestion in athletes on anabolic androgenic steroids: a speckle tracking and stress lung echocardiography analysis. **2021**,		1
117	Motion Estimation in 3D Echocardiography Using Smooth Field Registration. **2013**, 151-158		2
116	Review on Advanced Techniques in 2-D Fetal Echocardiography: An Image Processing Perspective. **2014**, 53-74		2
115	Changes in Left Ventricular Global and Regional Longitudinal Strain During Right Ventricular Pacing. **2016**, 7, 17-24		4
114	Evaluation of left ventricular myocardial deformation parameters in individuals with electrocardiographic early repolarization pattern. **2016**, 16, 850-854		3
113	The effect of kidney transplantation on speckled tracking echocardiography findings in patients on hemodialysis. **2018**, 10, 90-94		9
112	3D angle-independent Doppler and speckle tracking for the myocardium and blood flow. **2019**, 6, 105-114		1
111	Physiological basis in the assessment of myocardial mechanics using speckle-tracking echocardiography 2D. Part II. **2016**, 16, 304-16		3
110	Evaluation of Global and Regional Strain in Patients with Acute Coronary Syndrome without Previous Myocardial Infarction. **2016**, 10, 6-11		4
109	Rest 2D speckle tracking echocardiography may be a sensitive but nonspecific test for detection of significant coronary artery disease. **2018**, 88, 457-461		2
108	Left Atrial Strain Predicts Pro-Thrombotic State in Patients with Non-Valvular Atrial Fibrillation. **2017**, 10, 1641		10
107	Left Atrial Longitudinal Speckle Tracking Echocardiography in Healthy Aging Heart. *Journal of Cardiovascular Echography*, **2015**, 25, 40-45	0.6	2
106	Global and segmental myocardial deformation by 2D speckle tracking compared to visual assessment. **2012**, 4, 341-6		9
105	Noninvasive model including right ventricular speckle tracking for the evaluation of pulmonary hypertension. **2016**, 8, 472-80		2
104	Transesophageal Echocardiographic Approach to a Patient with Suspected Pulmonary Hypertension in the Intraoperative Period. **2017**, 5, 49-63		1
103	Patient Safety is the Need of the Hour: A Study in Nursing Department of a Tertiary Care Teaching Hospital. **2017**, 5, 55-59		3
102	Home Health Care: The Missing Link in Health Delivery System for Indian Elderly Population: A Narrative Review. **2017**, 5, 89-94		4

101	Myocardial Strain and Strain Rate Imaging: Comparison between Doppler Derived Strain Imaging and Speckle Tracking Echocardiography. **2013**, 1, 20-1		1
100	Role of Speckle Tracking Echocardiography in Dilated Cardiomyopathy: A Review. **2017**, 9, e1372		5
99	Two-Dimensional Speckle Tracking of the Fetal Heart: A Practical Step-by-Step Approach for the Fetal Sonologist. *Journal of Ultrasound in Medicine*, **2016**, 35, 1765-81	2.9	51
98	Use of Speckle Tracking Echocardiography to Detect Anthracycline-Induced Cardiotoxicity in Childhood Cancer: A Prospective Controlled Cross-Sectional Studyshort Title: Speckle Tracking Childhood Cancer.		
97	Consensus statement of Russian experts on the prevention, diagnosis and treatment of cardiotoxicity of anticancer therapy. **2021**, 26, 4703		16
96	May standard basal echocardiogram allow to obtain predictors of asymptomatic cardiac dysfunction in alcoholics?. **2021**,		0
95	L□ecocardiografia nell□tleta. **2011**, 29-67		
94	Echocardiography in Athletes. **2012**, 31-70		
93	Clinical Research Made Easy: A Guide to Publishing in Medical Literature. **2012**, 46, 61-62		
92	Echocardiographic Assessment of Left Atrial Mechanics: Are We Ready for Daily Clinical Use?. **2014**, 2,		
91	Contemporary Echocardiographic Techniques in Early Detection of Diabetic Cardiomyopathy. **2014**, 1,		1
90	Assessment of Left Atrial Function After Percutaneous Coronary Intervention: A Doppler-Based Strain and Strain Rate Study. **2015**, 3,		
89	Sex-related Left Ventricle Rotational and Torsional Mechanics by Block Matching Algorithm. **2019**, 9, 541-550		1
88	THE ROLE OF SPECKLE-TRACKING ECHOCARDIOGRAPHY TECHNIQUE AT THE STAGE OF SUBCLINICAL HEART TRANSPLANT REJECTION. **2016**, 17, 24-32		2
87	[Left ventricular longitudinal systolic strain in children with history of Kawasaki disease]. **2016**, 86, 196-202		0
86	Cardiac Involvement: Evaluation and Management. **2017**, 331-356		
85	Role of Standard Radiation Safety Practices in Public Health: An Experience of a Tertiary Care Teaching Hospital. **2017**, 5, 73-76		
84	Medical Audit of Documentation of Inpatient Medical Record in a Multispecialty Hospital in India. **2017**, 5, 77-83		1

83	An Exploratory Study on the Benefits of Quality Accreditation: Financial Impact and Chief Executive Officer Perspectives. **2017**, 5, 60-67		
82	Assessment of the Level of Anxiety and Associated Factors among Heart Patients Waiting for Cardiac Procedure at a Tertiary Care Hospital in North India. **2017**, 5, 68-72		
81	Female Education and Health: Effects of Social Determinants on Economic Growth and Development. **2017**, 5, 84-88		0
80	Cardiac Amyloidosis, An Infiltrative Heart Disease Presenting as Arrhythmia-A Case Report. **2017**, 11, OD14-OD15		2
79	Mechanical dyssynchrony assessment with speckle tracking echocardiography in patients before cardiac resynchronization therapy. **2017**, 1, 9-13		
78	Markers of early cardiotoxicity in patients with breast cancer undergoing chemotherapy depending on blood pressure level. **2017**, 14, 21-27		3
77	Speckle-Tracking Echocardiography - Ready for Use in Acute Coronary Syndrome?. **2018**, 110, 362-363		
76	Risk Stratification and Prognosis. **2018**, 47-71		
75	Evaluation of usefulness of modern echocardiographic techniques using speckle tracking echocardiography, in experimental laboratory conditions, on example model of acute ischemic disease in mice. **2018**, 72, 172-183		
74	Diagnostic capabilities of electrocardiography systolic heart failure. **2018**, 20, 86-90		1
73	Advanced Assessment of the Left Ventricle. **2019**, 73-86		
72	Speckle Tracking Echocardiography (STE) for Left and Right Ventricles. **2019**, 71-78		
71	Endurance Exercise and Atrial Fibrillation. **2020**, 659-681		0
70	Heart Infection Prognosis Analysis by Two-dimensional Spot Tracking Imaging. *Current Medical Imaging*, **2020**, 16, 534-544	1.2	
69	[Myocardial work in assessment of left ventricular systolic function]. *Kardiologiya*, **2020**, 60, 80-88	1.5	1
68	Importance of frame rate for the measurement of strain and synchrony in fetuses using speckle tracking echocardiography. *Journal of Perinatal Medicine*, **2021**,	2.7	
67	[Comparative capabilities of the speckle-tracking echocardiography technologiesin two-dimensional and three-dimensional modes in the detection of subclinical cardiotoxicity in patients with breast cancer]. *Terapevticheskii Arkhiv*, **2020**, 92, 142-147	0.9	1
66	Speckle tracking echocardiography.		

65	Evaluation of the Effect of Sigmoid-Shaped Interventricular Septum on Left Ventricular Systolic Function in Patients with Essential Hypertension by Two-Dimensional Speckle Tracking Echocardiography. *Yangtze Medicine*, **2020**, 04, 62-69	0.1	
64	Left Ventricular Strain: A Reliable Predictor of Short-Term Outcomes in Patients with Anterior Wall Myocardial Infarction without Heart Failure. *Advanced Biomedical Research*, **2020**, 9, 67	1.2	0
63	Does the transapical approach impair early recovery of systolic strain following transcatheter aortic valve replacement?. *American Journal of Cardiovascular Disease*, **2015**, 5, 110-8	0.9	9
62	Evaluation of cardiac function in children after percutaneous closure of atrial septal defect using speckle tracking echocardiography. *ARYA Atherosclerosis*, **2020**, 16, 290-294	0.7	1
61	Effects of Sacubitril/Valsartan Treatment on Left Ventricular Myocardial Torsion Mechanics in Patients with Heart Failure Reduced Ejection Fraction 2D Speckle Tracking Echocardiography. *Journal of Cardiovascular Echography*, **2021**, 31, 59-67	0.6	1
60	Advanced Deep Learning Network with Harris Corner based Background Motion Modeling for Motion Tracking of Targets in Ultrasound Images. **2021**,		0
59	Correlaci□ del strain longitudinal global con el grado de disfunci□ diast□ica, factores de riesgo cardiovascular y variables del ecocardiograma 2D. *Acta M□dica Grupo □ngeles*, **2021**, 19, 485-490	0	
58	Tissue Doppler, speckling tracking and four-dimensional echocardiographic assessment of right ventricular function in children with dilated cardiomyopathy.. *World Journal of Clinical Pediatrics*, **2022**, 11, 71-84	2.5	
57	Myocardial Strain Assessment by 2D Speckle-Tracking Echocardiography in Patients with Congenital Myopathy.. *Journal of Cardiovascular Echography*, **2021**, 31, 214-219	0.6	
56	Detection of myocardial fibrosis by speckle-tracking echocardiography: from prediction to clinical applications.. *Heart Failure Reviews*, **2022**, 1	5	0
55	Evaluation of left atrial dysfunction by speckle tracking echocardiography in systolic and diastolic heart failure.. *Monaldi Archives for Chest Disease*, **2022**,	2.7	
54	Electrocardiographic Characteristics and Their Correlation with Echocardiographic Alterations in Fabry Disease.. *Journal of Cardiovascular Development and Disease*, **2022**, 9,	4.2	1
53	Segmentation Enhanced Elastic Image Registration for 2D Speckle Tracking Echocardiography-Performance Study In Silico.. *Ultrasonic Imaging*, **2022**, 1617346211068812	1.9	
52	Right Ventricular Longitudinal Strain in Patients with Heart Failure.. *Diagnostics*, **2022**, 12,	3.8	0
51	Use of speckle tracking echocardiography to detect late anthracycline-induced cardiotoxicity in childhood cancer: A prospective controlled cross-sectional study.. *International Journal of Cardiology*, **2022**,	3.2	0
50	Ventricular Myocardial Deformation in Fetuses With Tetralogy of Fallot: A Necessary Field of Investigation.. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 764676	5.4	1
49	Pregnancy Complications Lead to Subclinical Maternal Heart Dysfunction-The Importance and Benefits of Follow-Up Using Speckle Tracking Echocardiography.. *Medicina (Lithuania)*, **2022**, 58,	3.1	2
48	Matching Imaging and Remodulation Effects: Benefits of Cardiac Contractility Modulation Shown by Global Longitudinal Strain: A Case Report.. *Clinics and Practice*, **2022**, 12, 113-117	2.4	1

47	Subclinical cardiac dysfunction in pediatric kidney transplant recipients identified by speckle-tracking echocardiography.. *Pediatric Nephrology*, **2022**, 1	3.2	0
46	Reference centiles for left ventricular longitudinal global and regional systolic strain by automated functional imaging in healthy Egyptian children.. *Cardiology in the Young*, **2022**, 1-9	1	
45	Exploration of the Utility of Speckle-Tracking Echocardiography During Mechanical Ventilation and Mechanical Circulatory Support.. **2022**, 4, e0666		0
44	Assessment of Left Ventricle Myocardial Deformation in a Hemorrhagic Shock Swine Model by Two-Dimensional Speckle Tracking Echocardiography.. *Journal of Trauma and Acute Care Surgery*, **2022**,	3.3	
43	A Novel Deep Learning Approach for Tracking Regions of Interest in Ultrasound Images. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2021**, 2021, 4095-4098	0.9	0
42	Echocardiographic reference intervals for right ventricular indices, including 3-dimensional volume and 2-dimensional strain measurements in healthy dogs. *Journal of Veterinary Internal Medicine*, **2021**,	3.1	3
41	The effects of estrogen deficiency and aging on myocardial deformation and motion in normotensive female rats.. *Menopause*, **2021**, 29, 89-95	2.5	1
40	Echocardiographic Global Longitudinal Strain Is Associated With Myocardial Fibrosis and Predicts Outcomes in Aortic Stenosis. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 750016	5.4	2
39	Patient-Specific Inverse Modeling of In Vivo Cardiovascular Mechanics with Medical Image-Derived Kinematics as Input Data: Concepts, Methods, and Applications. *Applied Sciences (Switzerland)*, **2022** , 12, 3954	2.6	0
38	Altered left ventricular myocardial deformation in young females with Borderline Personality Disorder: an echocardiographic study.. *Psychosomatic Medicine*, **2022**, 84,	3.7	
37	Data_Sheet_1.PDF. **2020**,		
36	Evaluation of Fetal Cardiac Function in Maternal Gestational Diabetes Mellitus by Speckle-Tracking Echocardiography.. *Journal of Ultrasound in Medicine*, **2022**,	2.9	1
35	Biventricular strain and strain rate impairment shortly after surgical repair of tetralogy of Fallot in children: A case-control study.. *Health Science Reports*, **2022**, 5, e613	2.2	0
34	Multi-Domain Unpaired Ultrasound Image Artifact Removal Using a Single Convolutional Neural Network. **2022**,		0
33	Global longitudinal strain differentiates physiological hypertrophy from maladaptive remodeling.. *IJC Heart and Vasculature*, **2022**, 40, 101044	2.4	0
32	Intraoperative and Procedural Echocardiography. **2017**, 59-78		
31	Myocardial deformation indices for detection of the functional significance of intermediate left anterior descending coronary artery stenosis: FFR guided study. *International Journal of Cardiovascular Imaging*,		
30	Evaluation of left ventricular myocardial stratified strain in patients with Kawasaki disease using two-dimensional speckle tracking imaging. *Frontiers in Cardiovascular Medicine*, 9,	5.4	

29	Targeting Myocardial Fibrosis: A Magic Pill in Cardiovascular Medicine?. **2022**, 14, 1599	2
28	Epicardial adipose tissue and right ventricular function in type 2 diabetes mellitus using two-dimensional speckle tracking echocardiography. **2022**, 19, 147916412211186	
27	Evaluation of Exercise Tolerance in Non-obstructive Hypertrophic Cardiomyopathy With Myocardial Work and Peak Strain Dispersion by Speckle-Tracking Echocardiography. 9,	0
26	Myocardial deformation imaging by 2D speckle tracking echocardiography for assessment of diastolic dysfunction in murine cardiopathology.	
25	Analysis of Advanced Siamese Neural Networks for Motion Tracking of Sonography of Carotid Arteries. **2022**,	0
24	Trimetazidine improves left ventricular global longitudinal strain value in patients with heart failure with reduced ejection fraction due to ischemic heart disease. **2022**, 16, 177-184	0
23	Right ventricular size and function evaluated by various echocardiographic indices in dogs with pulmonary hypertension.	0
22	Prediction of congestive state in acute and chronic heart failure: The association between NT-proBNP and left atrial strain and its prognostic value. **2022**,	0
21	A global case meta-analysis of three-dimensional speckle tracking for evaluating the cardiotoxicity of anthracycline chemotherapy in breast cancer. 9,	0
20	Image-Based Finite Element Modeling Approach for Characterizing In Vivo Mechanical Properties of Human Arteries. **2022**, 13, 147	0
19	In Vivo Longitudinal Monitoring of Cardiac Remodeling in Murine Ischemia Models With Adaptive Bayesian Regularized Cardiac Strain Imaging: Validation Against Histology. **2022**,	0
18	Global Longitudinal Strain as an Efficient Prognostic Tool in Hypertrophic Cardiomyopathy With Preserved Left Ventricular Ejection Fraction. **2022**,	0
17	A two-dimensional speckle-tracking echocardiography for the diagnosis of early myocardial disease in beta-thalassemia major patients. **2022**, 15, 257	0
16	Assessment of Cardiac Function and Ventricular Mechanical Synchronization in Left Bundle Branch Area Pacing by Speckle Tracking and Three-Dimensional Echocardiography. **2023**, 187, 1-9	0
15	Co-attention spatial transformer network for unsupervised motion tracking and cardiac strain analysis in 3D echocardiography. **2023**, 84, 102711	0
14	Simultaneous Measurements of Vascular Strain and Wall Shear Stress in the Carotid Artery based on Vector Flow Imaging and Vessel Wall Tracking in Duplex Mode. **2022**,	0
13	Reduced left atrial contractile strain with speckle tracking analysis predicts abnormal plasma NTproBNP in an asymptomatic community population. **2022**, 20,	0
12	Clinical validation of an artificial intelligence-based tool for automatic estimation of left ventricular ejection fraction and strain in echocardiography: Protocol for a two-phase prospective cohort study (Preprint).	0

11	Cardiac Morphofunctional Characteristics of Individuals with Early Repolarization Pattern: A Literature Review. **2023**, 10, 4	0
10	Editorial: Atherosclerosis and functional imaging. 9,	0
9	Criterion validity of muscle strain analyses of skeletal muscle function in patients with multiple sclerosis. **2022**, 104478	0
8	Proportion of right ventricular failure and echocardiographic predictors in continuous-flow left ventricular assist device: a systematic review and meta-analysis.	0
7	SPECT and STE: Which one is better in incremental prognostic value over CCTA. **2023**,	0
6	Arterial diameter variations as a new index for stroke volume assessment: An experimental study on a controlled hemorrhagic shock model in piglets. Publish Ahead of Print,	0
5	Sacubitril/Valsartan Improves Left Atrial and Ventricular Strain and Strain Rate in Patients with Heart Failure with Reduced Ejection Fraction. **2023**, 13, 995	0
4	Clinical Validation of an Artificial IntelligenceBased Tool for Automatic Estimation of Left Ventricular Ejection Fraction and Strain in Echocardiography: Protocol for a Two-Phase Prospective Cohort Study. 12, e44650	0
3	Strain in children with MIS-C and acute COVID-19. **2022**, 15, 459	0
2	Comparison of echocardiographic parameters of amputee football players with active football players and sedentary individuals. **2023**, 15,	0
1	Mechanics of the Left Ventricle in Children Born Prematurely. **2023**, 49, 183-195	0