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List of articles citing

Quantitative measurement of volume flow rate
(cardiac output) by the multibeam Doppler method

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Journal of the American Society of Echocardiography,
1995, 8, 621-30.

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#	Paper	IF	Citations
46	Computing stroke volume from digital 2-D color flow echocardiographic cine-loops of the left ventricular outflow tract.		0
45	Doppler ultrasound. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 1996 , 15, 31-40		25
44	Calculation of aortic regurgitant volume by a new digital Doppler color flow mapping method: an animal study with quantified chronic aortic regurgitation. <i>Journal of the American College of Cardiology</i> , 1997 , 30, 834-42	15.1	20
43	Automated assessment of mitral regurgitant volume and regurgitant fraction by a newly developed digital color Doppler velocity profile integration method. <i>American Journal of Cardiology</i> , 1997 , 80, 1325-30	3	12
42	Automatic cardiac output measurement (ACOM): clinical applications of a new noninvasive tool. <i>International Journal of Cardiovascular Imaging</i> , 1998 , 14, 147-54		5
41	Developments in cardiovascular ultrasound. Part 3: Cardiac applications. <i>Medical and Biological Engineering and Computing</i> , 1998 , 36, 529-43	3.1	3
40	Quantification of mitral regurgitation by automated cardiac output measurement: experimental and clinical validation. <i>Journal of the American College of Cardiology</i> , 1998 , 32, 1074-82	15.1	17
39	Quantification of aortic regurgitant volume by a newly developed automated cardiac flow measurement method: an in vitro study. <i>Journal of the American Society of Echocardiography</i> , 1998 , 11, 874-81	5.8	10
38	Quantification of mitral regurgitation by the automated cardiac output method: an in vitro and in vivo study. <i>Journal of the American Society of Echocardiography</i> , 1998 , 11, 643-51	5.8	6
37	Determination of prestenotic flow volume using an automated method based on colour Doppler imaging for evaluating orifice area by the continuity equation: validation in a pulsatile flow model. <i>Heart</i> , 1998 , 79, 324-30	5.1	5
36	Fully-automated stroke volume determination from digital color flow echocardiographic images.		
35	Stroke volume changes during dobutamine-atropine stress echocardiography: the influence of heart rate and ischaemia. <i>International Journal of Cardiovascular Imaging</i> , 1999 , 15, 263-9		2
34	Noninvasive assessment of hemodynamic subsets in patients with acute myocardial infarction using digital color Doppler velocity profile integration and pulmonary venous flow analysis. <i>American Journal of Cardiology</i> , 1999 , 83, 1027-32	3	13
33	Estimation of the spatial mean and peak flow velocities using real-time 3D color Doppler echocardiography: in vitro and in vivo studies.		1
32	Evaluation of descending aortic flow volumes and effective orifice area through aortic coarctation by spatiotemporal integration of color Doppler data: An in vitro study. <i>Journal of the American Society of Echocardiography</i> , 1999 , 12, 517-26	5.8	4
31	Validation of the accuracy of both right and left ventricular outflow volume determinations and semiautomated calculation of shunt volumes through atrial septal defects by digital color Doppler flow mapping in a chronic animal model. <i>Journal of the American College of Cardiology</i> , 1999 , 34, 587-93	15.1	10
30	Measurement of volumetric mitral and aortic blood flow based on a new freehand three-dimensional colour flow imaging method. An in vivo validation. <i>European Journal of Echocardiography</i> , 2000 , 1, 204-12		13

29	Automated conduit detection method from a synthetic M-mode using spline curves.		
28	Volumetric blood flow measurement with the use of dynamic 3-dimensional ultrasound color flow imaging. <i>Journal of the American Society of Echocardiography</i> , 2000 , 13, 393-402	5.8	23
27	Noninvasive estimation of transmitral pressure drop across the normal mitral valve in humans: importance of convective and inertial forces during left ventricular filling. <i>Journal of the American College of Cardiology</i> , 2000 , 36, 1942-9	15.1	56
26	Validation of a digital color Doppler flow measurement method for pulmonary regurgitant volumes and regurgitant fractions in an in vitro model and in a chronic animal model of postoperative repaired tetralogy of Fallot. <i>Journal of the American College of Cardiology</i> , 2001 , 37, 632-40	15.1	5
25	Assessment of ventricular filling volumes with an automated color Doppler method: validation in a pulsatile flow model. <i>Journal of the American Society of Echocardiography</i> , 2001 , 14, 343-52	5.8	1
24	Estimation of diastolic intraventricular pressure gradients by Doppler M-mode echocardiography. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 280, H2507-15	5.2	110
23	Quantification of flow volume with a new digital three-dimensional color Doppler flow approach: an in vitro study. <i>Journal of Ultrasound in Medicine</i> , 2001 , 20, 1303-11	2.9	11
22	Real-time three-dimensional color Doppler echocardiography for characterizing the spatial velocity distribution and quantifying the peak flow rate in the left ventricular outflow tract. <i>Ultrasound in Medicine and Biology</i> , 2001 , 27, 69-74	3.5	41
21	Automated quantification of aortic regurgitant volume and regurgitant fraction using the digital colour Doppler velocity profile integration method in patients with aortic regurgitation. <i>British Heart Journal</i> , 2002 , 88, 481-4		4
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19	Can sedation reduce the cardiac stress during gastrointestinal endoscopy? A study with non-invasive automated cardiac flow measurement by color Doppler echocardiography. <i>Scandinavian Journal of Gastroenterology</i> , 2002 , 37, 602-7	2.4	12
18	Non-invasive automated assessment of the ratio of pulmonary to systemic flow in patients with atrial septal defects by the colour Doppler velocity profile integration method. <i>British Heart Journal</i> , 2002 , 88, 278-82		7
17	Quantification of cardiac stress during EGD without sedation. <i>Gastrointestinal Endoscopy</i> , 2002 , 55, 58-64	5.2	14
16	Quantitative analysis of aortic regurgitation: real-time 3-dimensional and 2-dimensional color Doppler echocardiographic method—a clinical and a chronic animal study. <i>Journal of the American Society of Echocardiography</i> , 2002 , 15, 966-71	5.8	22
15	Surface Integration of Velocity Vectors from 3D Digital Colour Doppler: An Angle Independent Method for Laminar Flow Measurements. <i>European Heart Journal Cardiovascular Imaging</i> , 2002 , 3, 177-184	4.1	10
14	A validation study of aortic stroke volume using dynamic 4-dimensional color Doppler: an in vivo study. <i>Journal of the American Society of Echocardiography</i> , 2002 , 15, 1045-50	5.8	23
13	Automated volumetric flow quantification using angle-corrected color Doppler image. <i>Echocardiography</i> , 2004 , 21, 399-408	1.5	2
12	Combination of pulsed-wave Doppler and real-time three-dimensional color Doppler echocardiography for quantifying the stroke volume in the left ventricular outflow tract. <i>Ultrasound in Medicine and Biology</i> , 2004 , 30, 1441-6	3.5	10

11	Automated cardiac output measurement by transesophageal color Doppler echocardiography. <i>Anesthesia and Analgesia</i> , 2004 , 98, 1232-8, table of contents	3.9	11
10	Announcements. <i>Anesthesia and Analgesia</i> , 2004 , 1238	3.9	
9	Echocardiographic automated cardiac output measurement of pulmonary output and quantification of intracardiac shunt. <i>International Journal of Cardiology</i> , 2005 , 104, 25-31	3.2	8
8	Measurement of volumetric flow. <i>Journal of Ultrasound in Medicine</i> , 2006 , 25, 1305-11	2.9	24
7	Impact of image spatial, temporal, and velocity resolutions on cardiovascular indices derived from color-Doppler echocardiography. <i>Medical Image Analysis</i> , 2007 , 11, 513-25	15.4	11
6	Echocardiographic quantitation of mitral regurgitation. <i>Expert Review of Cardiovascular Therapy</i> , 2008 , 6, 1151-60	2.5	1
5	Mean volume flow estimation in pulsatile flow conditions. <i>Ultrasound in Medicine and Biology</i> , 2009 , 35, 1880-91	3.5	15
4	Accuracy of volumetric flow rate measurements: an in vitro study using modern ultrasound scanners. <i>Journal of Ultrasound in Medicine</i> , 2009 , 28, 1511-8	2.9	35
3	The Clinical Assessment of Intraventricular Flows. <i>Annual Review of Fluid Mechanics</i> , 2015 , 47, 315-342	2.2	41
2	MRI Assessment of Diastolic and Systolic Intraventricular Pressure Gradients in Heart Failure. <i>Current Heart Failure Reports</i> , 2016 , 13, 37-46	2.8	2
1	Automated cardiac output measurement by spatiotemporal integration of color Doppler data. In vitro and clinical validation. <i>Circulation</i> , 1997 , 95, 932-9	16.7	54