

# Evaluation of the tricuspid valve morphology and function by three-dimensional echocardiography

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Wearing Qualities of Selected New Mexico Wools. Textile Research Journal, 1961, 31, 540-550.	2.2	3
2	Three-Dimensional Transesophageal Echocardiography Is a Major Advance for Intraoperative Clinical Management of Patients Undergoing Cardiac Surgery. Anesthesia and Analgesia, 2010, 110, 1548-1573.	2.2	111
3	Valve anatomy and function with transthoracic three-dimensional echocardiography: advantages and limitations of instantaneous full-volume color Doppler imaging. Therapeutic Advances in Cardiovascular Disease, 2010, 4, 385-394.	2.1	3
4	Real-time three dimensional transesophageal echocardiography: technical aspects and clinical applications. Heart International, 2010, 5, e6.	1.4	11
5	European Association of Echocardiography recommendations for the assessment of valvular regurgitation. Part 1: aortic and pulmonary regurgitation (native valve disease). European Journal of Echocardiography, 2010, 11, 223-244.	2.3	452
6	European Association of Echocardiography recommendations for the assessment of valvular regurgitation. Part 2: mitral and tricuspid regurgitation (native valve disease). European Journal of Echocardiography, 2010, 11, 307-332.	2.3	1,237
7	Evaluation of Tricuspid Valve Morphology and Function by Transthoracic Three-Dimensional Echocardiography. Current Cardiology Reports, 2011, 13, 242-249.	2.9	59
8	Echocardiographic Assessment and Clinical Management of Tricuspid Regurgitation. Current Cardiology Reports, 2011, 13, 258-264.	2.9	11
9	Congenital tricuspid regurgitation: review and a proposed new classification. Cardiology in the Young, 2011, 21, 121-129.	0.8	11
10	Utility of 3D transoesophageal echocardiography for the assessment of tricuspid and pulmonary valves in carcinoid heart disease. European Heart Journal Cardiovascular Imaging, 2011, 12, E4-E4.	1.2	13
11	Textbook of Real-Time Three Dimensional Echocardiography. , 2011, , .		13
12	Three-dimensional Echocardiography in Valvular Heart Disease. Cardiology in Review, 2012, 20, 66-71.	1.4	8
13	EAE/ASE Recommendations for Image Acquisition and Display Using Three-Dimensional Echocardiography. European Heart Journal Cardiovascular Imaging, 2012, 13, 1-46.	1.2	433
14	Two-Dimensional Transesophageal Echocardiographic Imaging of the Tricuspid Valve. Anesthesia and Analgesia, 2012, 114, 547-550.	2.2	11
15	EAE/ASE Recommendations for Image Acquisition and Display Using Three-Dimensional Echocardiography. Journal of the American Society of Echocardiography, 2012, 25, 3-46.	2.8	760
16	Real-time three-dimensional transthoracic echocardiography in daily practice: initial experience. Cardiovascular Ultrasound, 2012, 10, 14.	1.6	15
17	Prevalence and Mechanism of Tricuspid Regurgitation following Implantation of Endocardial Leads for Pacemaker or Cardioverter-Defibrillator. Journal of the American Society of Echocardiography, 2012, 25, 245-252.	2.8	88
18	Update on Three Dimensional Echocardiography. Current Cardiovascular Imaging Reports, 2012, 5, 491-500.	0.6	0

#	ARTICLE	IF	CITATIONS
19	Current Clinical Applications of Transthoracic Three-Dimensional Echocardiography. Journal of Cardiovascular Imaging, 2012, 20, 1.	0.8	62
20	Three-Dimensional Echocardiography in Valvular Heart Disease. Echocardiography, 2012, 29, 88-97.	0.9	21
21	Evolving Role of Three-Dimensional Echocardiography in the Cardiac Surgical Patient. Current Anesthesiology Reports, 2013, 3, 162-174.	2.0	3
22	Mechanisms, Evaluation and Management of Tricuspid Regurgitation. , 2013, , 223-248.		0
24	Functional tricuspid regurgitation: An underestimated issue. International Journal of Cardiology, 2013, 168, 707-715.	1.7	46
25	Tricuspid Regurgitation Following Implantation of a Pacemaker/Cardioverter-Defibrillator. Current Cardiology Reports, 2013, 15, 357.	2.9	12
27	Three dimensional echocardiography for quantification of valvular heart disease. Heart, 2013, 99, 811-818.	2.9	8
28	Three-dimensional dynamic assessment of tricuspid and mitral annuli using cardiovascular magnetic resonance. European Heart Journal Cardiovascular Imaging, 2013, 14, 986-995.	1.2	77
29	Recommendations for the echocardiographic assessment of native valvular regurgitation: an executive summary from the European Association of Cardiovascular Imaging. European Heart Journal Cardiovascular Imaging, 2013, 14, 611-644.	1.2	1,298
30	Assessment of functional tricuspid regurgitation. European Heart Journal, 2013, 34, 1875-1885.	2.2	170
31	Tricuspid Regurgitation in Hypoplastic Left Heart Syndrome. Circulation: Cardiovascular Imaging, 2014, 7, 765-772.	2.6	58
32	A systematic method for using 3D echocardiography to evaluate tricuspid valve insufficiency in hypoplastic left heart syndrome. Annals of Pediatric Cardiology, 2014, 7, 193.	0.5	6
33	The Advantages of Live/Real Time Three-Dimensional Transesophageal Echocardiography in the Assessment of Tricuspid Valve Infective Endocarditis. Echocardiography, 2014, 31, 1293-1309.	0.9	14
34	3D Echocardiographic Location of Implantable Device Leads and Mechanism of Associated Tricuspid Regurgitation. JACC: Cardiovascular Imaging, 2014, 7, 337-347.	5.3	97
35	Perioperative Transesophageal Echocardiographic Assessment of the Right Heart and Associated Structures: A Comprehensive Update and Technical Report. Journal of Cardiothoracic and Vascular Anesthesia, 2014, 28, 1100-1121.	1.3	31
36	Update on Perioperative Right Heart Assessment Using Transesophageal Echocardiography. Seminars in Cardiothoracic and Vascular Anesthesia, 2014, 18, 341-351.	1.0	15
37	Anatomy and Physiology of the Circulatory and Ventilatory Systems. Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems, 2014, , .	0.1	9
38	Incremental Value of the En Face View of the Tricuspid Valve by Two-Dimensional and Three-Dimensional Echocardiography for Accurate Identification of Tricuspid Valve Leaflets. Journal of the American Society of Echocardiography, 2014, 27, 376-384.	2.8	54

#	ARTICLE	IF	CITATIONS
39	Tricuspid Valve: An Intraoperative Echocardiographic Perspective. Journal of Cardiothoracic and Vascular Anesthesia, 2014, 28, 761-770.	1.3	9
40	Reference values for mitral and tricuspid annular dimensions using two-dimensional echocardiography. Journal of Animal Science and Technology, 2014, 1, 43-50.	2.5	46
41	Indications for Surgery for Tricuspid Regurgitation. Interventional Cardiology Review, 2015, 10, 58.	1.6	8
42	Valvular heart disease “ stenoses. , 2015, , 171-193.		0
44	Leaflet Area as a Determinant of Tricuspid Regurgitation Severity in Patients With Pulmonary Hypertension. Circulation: Cardiovascular Imaging, 2015, 8, .	2.6	45
45	Dynamic Changes in Tricuspid Annular Diameter Measurement in Relation to the Echocardiographic View and Timing during the Cardiac Cycle. Journal of the American Society of Echocardiography, 2015, 28, 226-235.	2.8	51
46	Tricuspid valve remodelling in functional tricuspid regurgitation: multidetector row computed tomography insights. European Heart Journal Cardiovascular Imaging, 2015, 17,jev140.	1.2	43
47	Tricuspid regurgitation diagnosis and treatment. European Heart Journal, 2017, 38, ehv487.	2.2	87
48	Revisit of Functional Tricuspid Regurgitation; Current Trends in the Diagnosis and Management. Korean Circulation Journal, 2016, 46, 443.	1.9	31
49	State-of-the-Art Review of Echocardiographic Imaging in the Evaluation and Treatment of Functional Tricuspid Regurgitation. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	176
50	Transcatheter Therapies for Treating Tricuspid Regurgitation. Journal of the American College of Cardiology, 2016, 67, 1829-1845.	2.8	189
52	Right heart chamber geometry and tricuspid annulus morphology in patients undergoing mitral valve repair with and without tricuspid valve annuloplasty. International Journal of Cardiovascular Imaging, 2016, 32, 885-894.	1.5	11
53	Clinical utility of three-dimensional echocardiography in the evaluation of tricuspid regurgitation induced by implantable device leads. Echocardiography, 2016, 33, 1689-1696.	0.9	25
54	Three-dimensional echocardiography in congenital heart disease: an expert consensus document from the European Association of Cardiovascular Imaging and the American Society of Echocardiography. European Heart Journal Cardiovascular Imaging, 2016, 17, 1071-1097.	1.2	48
55	Current Clinical Applications of Three-Dimensional Echocardiography: When the Technique Makes the Difference. Current Cardiology Reports, 2016, 18, 109.	2.9	19
56	Three-dimensional transesophageal echocardiography incremental value in a rare case of a bileaflet tricuspid valve. Echocardiography, 2016, 33, 1438-1440.	0.9	2
57	All you need to know about the tricuspid valve: Tricuspid valve imaging and tricuspid regurgitation analysis. Archives of Cardiovascular Diseases, 2016, 109, 67-80.	1.6	53
58	Transoesophageal echocardiography: what the general cardiologist needs to know. Heart, 2017, 103, 629-640.	2.9	1

#	ARTICLE	IF	CITATIONS
59	Multimodality imaging of the tricuspid valve with implication for percutaneous repair approaches. Heart, 2017, 103, 1073-1081.	2.9	52
60	Physical and Technical Aspects and Overview of 3D- Echocardiography. , 2017, , 1-44.		1
61	Percutaneous Treatment of the Tricuspid Valve Disease: New Hope for the “Forgotten” Valve. Revista Espanola De Cardiologia (English Ed ), 2017, 70, 856-866.	0.6	8
62	Manual of 3D Echocardiography. , 2017, , .		1
63	3D printing of normal and pathologic tricuspid valves from transthoracic 3D echocardiography data sets. European Heart Journal Cardiovascular Imaging, 2017, 18, 802-808.	1.2	47
64	Role of Echocardiography in Transcatheter Valvular Heart Disease Interventions. Current Cardiology Reports, 2017, 19, 128.	2.9	10
65	Tratamientos percutáneos de la valvulopatía tricuspídea: una nueva esperanza para la válvula “olvidada”. Revista Espanola De Cardiologia, 2017, 70, 856-866.	1.2	22
66	Three-dimensional Echocardiography in Congenital Heart Disease: An Expert Consensus Document from the European Association of Cardiovascular Imaging and the American Society of Echocardiography. Journal of the American Society of Echocardiography, 2017, 30, 1-27.	2.8	108
67	Time to change approach “ from morphology to function and pathophysiology: The lesson of postoperative tricuspid regurgitation. European Journal of Preventive Cardiology, 2017, 24, 70-71.	1.8	1
68	Echocardiography of the tricuspid valve. Annals of Cardiothoracic Surgery, 2017, 6, 223-239.	1.7	15
69	Anatomy of the Tricuspid Valve, Pathophysiology of Functional Tricuspid Regurgitation, and Implications for Percutaneous Therapies. Interventional Cardiology Clinics, 2018, 7, 1-11.	0.4	26
70	Imaging of the Tricuspid Valve: Transoesophageal Echocardiography. , 2018, , 117-126.		2
71	Interventional Imaging of the Tricuspid Valve. Interventional Cardiology Clinics, 2018, 7, 13-29.	0.4	14
72	Intraoperative method based on tricuspid annular circumference in patients with mild or no tricuspid regurgitation during left-sided cardiac valve surgery for the prophylactic tricuspid annuloplasty. Journal of Thoracic Disease, 2018, 10, 3670-3678.	1.4	6
73	Tricuspid and Pulmonary Valve Disease. , 2018, , 297-311.		0
74	Echocardiographic Evaluation of the Right Heart. , 2018, , 185-204.		0
75	Tricuspid Valve Dysfunction Caused by Right Ventricular Leads. Cardiac Electrophysiology Clinics, 2018, 10, 447-452.	1.7	6
76	Correlation of 2-Dimensional and 3-Dimensional Echocardiographic Analysis to Surgical Measurements of the Tricuspid Valve Annular Diameter. Journal of Cardiothoracic and Vascular Anesthesia, 2019, 33, 137-145.	1.3	7

#	ARTICLE	IF	CITATIONS
77	Principles of Three-Dimensional Ultrasound. , 2019, , 43-54.e2.		0
78	Tricuspid and Pulmonic Valve Disease. , 2019, , 304-314.e1.		0
80	Organic Tricuspid Regurgitation. , 2019, , 271-283.		1
81	Mechanics of the Tricuspid Valveâ€”From Clinical Diagnosis/Treatment, In-Vivo and In-Vitro Investigations, to Patient-Specific Biomechanical Modeling. Bioengineering, 2019, 6, 47.	3.5	33
82	Biomechanics of the tricuspid annulus: A review of the annulus' in vivo dynamics with emphasis on ovine data. GAMM Mitteilungen, 2019, 42, e201900012.	5.5	4
83	Repair of tricuspid valve regurgitation due to a tricuspid valve cleft. Asian Cardiovascular and Thoracic Annals, 2019, 27, 688-690.	0.5	2
84	3-Dimensional Echocardiography in Imaging the Tricuspid Valve. JACC: Cardiovascular Imaging, 2019, 12, 500-515.	5.3	99
85	Tricuspid annular diameter and right ventricular volume on preoperative cardiac CT can predict postoperative right ventricular dysfunction in patients who undergo tricuspid valve surgery. International Journal of Cardiology, 2019, 288, 44-50.	1.7	4
86	The Brazilian Society of Cardiology and Brazilian Society of Exercise and Sports Medicine Updated Guidelines for Sports and Exercise Cardiology - 2019. Arquivos Brasileiros De Cardiologia, 2019, 112, 326-368.	0.8	17
87	Echocardiographic Assessment of the Tricuspid Annulus: The Effects of the Third Dimension and Measurement Methodology. Journal of the American Society of Echocardiography, 2019, 32, 238-247.	2.8	23
88	Quantitative assessment of two- and three-dimensional transthoracic and two-dimensional transesophageal echocardiography, computed tomography, and magnetic resonance imaging in normal canine hearts. Journal of Veterinary Cardiology, 2019, 21, 79-92.	0.9	24
89	State of the Art Techniques in Critical Care Echocardiography. , 2020, , .		0
90	3D Echocardiography in Critical Care. , 2020, , 1-179.		0
91	Anesthetic Considerations for Transcatheter Tricuspid Valve Repair. Journal of Cardiothoracic and Vascular Anesthesia, 2020, 34, 1942-1951.	1.3	4
92	Leftâ€sided congenitally unguarded tricuspid valve with congenitally corrected transposition of the great arteries: A rare diagnosis confirmed by threeâ€dimensional echocardiography. Echocardiography, 2020, 37, 1101-1104.	0.9	2
93	Intracardiac echocardiography to enable successful edge-to-edge transcatheter tricuspid valve repair in patients with insufficient TEE quality. Clinical Hemorheology and Microcirculation, 2020, 76, 199-210.	1.7	12
94	Multimodality imaging in valvular heart disease: how to use state-of-the-art technology in daily practice. European Heart Journal, 2021, 42, 1912-1925.	2.2	9
95	Novelties in 3D Transthoracic Echocardiography. Journal of Clinical Medicine, 2021, 10, 408.	2.4	9

#	ARTICLE	IF	CITATIONS
96	State-of-the-Art Review: Anatomical and Imaging Considerations During Transcatheter Tricuspid Valve Repair Using an Annuloplasty Approach. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 619605.	2.4	7
97	Tricuspid annular dimensions in patients with severe mitral regurgitation without severe tricuspid regurgitation. <i>Cardiovascular Diagnosis and Therapy</i> , 2021, 11, 68-80.	1.7	2
98	Linking statistical shape models and simulated function in the healthy adult human heart. <i>PLoS Computational Biology</i> , 2021, 17, e1008851.	3.2	41
99	State-of-the-art intra-procedural imaging for the mitral and tricuspid PASCAL Repair System. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, e94-e110.	1.2	14
100	Recommended Standards for the Performance of Transesophageal Echocardiographic Screening for Structural Heart Intervention: From the American Society of Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2022, 35, 1-76.	2.8	95
101	Dynamic Systolic Changes in Tricuspid Regurgitation Vena Contracta Size and Proximal Isovelocity Surface Area in Hypoplastic Left Heart Syndrome: A Three-Dimensional Color Doppler Echocardiographic Study. <i>Journal of the American Society of Echocardiography</i> , 2021, 34, 877-886.	2.8	2
102	Parameterization, geometric modeling, and isogeometric analysis of tricuspid valves. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 384, 113960.	6.6	22
103	Assessment of Tricuspid Valve Morphology and Function. , 2010, , 173-182.		1
104	Image Segmentation and Modeling of the Pediatric Tricuspid Valve in Hypoplastic Left Heart Syndrome. <i>Lecture Notes in Computer Science</i> , 2017, 10263, 95-105.	1.3	17
105	Echocardiographic assessment of the tricuspid and pulmonary valves: a practical guideline from the British Society of Echocardiography. <i>Echo Research and Practice</i> , 2020, 7, C95-C122.	2.5	33
106	Three-dimensional echocardiography in adult congenital heart disease. <i>Korean Journal of Internal Medicine</i> , 2017, 32, 577-588.	1.7	7
107	Functional tricuspid regurgitation: Feasibility of transcatheter interventions. <i>Cleveland Clinic Journal of Medicine</i> , 2020, 87, 4-14.	1.3	4
108	Tricuspid regurgitation: what is the real clinical impact and how often should it be treated?. <i>EuroIntervention</i> , 2018, 14, AB101-AB111.	3.2	35
109	Geometric comparison of the mitral and tricuspid valve annulus: Insights from three dimensional transesophageal echocardiography. <i>World Journal of Cardiology</i> , 2017, 9, 757-760.	1.5	2
110	Morphometric analysis of tricuspid valve: An Indian perspective. <i>Journal of Natural Science, Biology and Medicine</i> , 2012, 3, 147.	1.0	4
111	Anatomy and Pathology of Right-Sided Atrioventricular and Semilunar Valves. , 2013, , 211-221.		2
112	Incidentally Detected Coronary Artery Fistula Detected on Routine Perioperative Transesophageal Echocardiography. <i>Journal of Perioperative Echocardiography</i> , 2013, 1, 27-29.	0.1	0
113	Physiology of Ventilation. <i>Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems</i> , 2014, , 353-440.	0.1	0

#	ARTICLE	IF	CITATIONS
114	Cardiovascular Physiology. Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems, 2014, , 157-352.	0.1	0
115	Anatomy of the Ventilatory Apparatus. Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems, 2014, , 73-155.	0.1	1
116	Anatomy of the Cardiovascular Apparatus. Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems, 2014, , 1-71.	0.1	0
122	Percutaneous Tricuspid Repair Techniques. , 2016, , 319-341.		0
123	Left Ventricular Dyssynchrony in Acute ST Elevated Myocardial Infarction in Patients with Normal QRS duration. Bangladesh Heart Journal, 2016, 30, 13-21.	0.1	1
124	The Normal Tricuspid Valve. , 2019, , 249-262.		0
125	Functional Tricuspid Regurgitation. , 2019, , 285-297.		1
127	Multi-modality imaging assessment of native valvular regurgitation: an EACVI and ESC council of valvular heart disease position paper. European Heart Journal Cardiovascular Imaging, 2022, 23, e171-e232.	1.2	121
128	Transcatheter Tricuspid Valve Therapy: From Anatomy to Intervention. Frontiers in Cardiovascular Medicine, 2021, 8, 778445.	2.4	12
129	Sex Differences and Similarities in Valvular Heart Disease. Circulation Research, 2022, 130, 455-473.	4.5	46
130	Developing Insights Regarding Tricuspid Valve Regurgitation: Morphology, Assessment of Severity, and the Need for a Novel Grading Scheme. Structural Heart, 2022, 6, 100026.	0.6	2
132	Tricuspid Regurgitation. , 2016, , 511-528.		0
133	Right Heart. , 2016, , 139-171.		0
134	Right-Sided Valve Disease in Adults. , 2017, , 651-673.		0
135	Current Unmet Needs and Clues to the Solution in the Management of Tricuspid Regurgitation. Korean Circulation Journal, 2022, 52, 414.	1.9	2
136	22nd Annual Feigenbaum Lecture: Right Heart, Right Now: The Role of Three-Dimensional Echocardiography. Journal of the American Society of Echocardiography, 2022, 35, 893-909.	2.8	10
137	Contemporary diagnosis and management of severe tricuspid regurgitation. Catheterization and Cardiovascular Interventions, 0, , .	1.7	0
138	Real-Time Multiplanar Reconstruction Imaging Using 3-Dimensional Transesophageal Echocardiography in Structural Heart Interventions. Journal of Cardiothoracic and Vascular Anesthesia, 2023, 37, 570-581.	1.3	6



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139	Different Causes of Functional Tricuspid Valve Regurgitation Are Linked to Differences in Tricuspid Valve and Right-Sided Heart Geometry and Function: 3D Echocardiography Study. Medicina (Lithuania), 2023, 59, 57.	2.0	2
140	Tricuspid regurgitation etiologies, current diagnostic methods, and management: A 2022 update and review of the literature. Annals of Clinical Cardiology, 2022, 4, 46.	0.1	0
141	Insights of tricuspid regurgitation mechanisms in patients with right ventricular apical pacing by three-dimensional echocardiography. Echocardiography, 0, , .	0.9	0
142	Transthoracic Three-Dimensional Echocardiography of Tricuspid Valve. Journal of the Indian Academy of Echocardiography & Cardiovascular Imaging, 2017, 1, 149-153.	0.1	0
143	Demystifying Three-Dimensional Echocardiography. Journal of the Indian Academy of Echocardiography & Cardiovascular Imaging, 2017, 1, 206-213.	0.1	0
144	Guidelines for the Evaluation of Prosthetic Valve Function With Cardiovascular Imaging: A Report From the American Society of Echocardiography Developed in Collaboration With the Society for Cardiovascular Magnetic Resonance and the Society of Cardiovascular Computed Tomography. Journal of the American Society of Echocardiography, 2024, 37, 2-63.	2.8	1
145	Advanced Echocardiographic Guidance for Transcatheter Tricuspid Edge-To-Edge Repair. Cardiology Clinics, 2024, , .	2.2	0