Ex Vivo Biaxial Load Testing Analysis of Aortic Biomech
Elastic Energy Distribution Across the Aortic Zone Zero

Journal of Thoracic and Cardiovascular Surgery

166, 701-712.e7

DOI: 10.1016/j.jtcvs.2021.09.071

Citation Report

#	Article	IF	Citations
1	Commentary: Biomechanics of the Aorta: Insight Into Aortic Pathology. Journal of Thoracic and Cardiovascular Surgery, 2023, 166, 713-714.	3.6	0
2	Commentary: May the Force(s) Be With You: Loading Conditions and the Aorta. Journal of Thoracic and Cardiovascular Surgery, 2023, 166, 714-715.	3.6	2
3	Clinical Implications of the Biomechanics of Bicuspid Aortic Valve and Bicuspid Aortopathy. Frontiers in Cardiovascular Medicine, 2022, 9, 922353.	3.2	14
4	Estimating External Tissue Support Parameters With Fluid–Structure Interaction Models From 4D Ultrasound of Murine Thoracic Aortae. Engineering With Computers, 2022, 38, 4005-4022.	5.3	6
5	Aortic Diameter Is a Poor Predictor of Aortic Tissue Failure Metrics in Patients With Ascending Aneurysms. Journal of Thoracic and Cardiovascular Surgery, 2024, 167, 2049-2059.e2.	3.6	12
6	Author Reply to Commentary: Don't Miss the Forest for the Trees. Journal of Thoracic and Cardiovascular Surgery, 2024, 167, 2062.	3.6	0
7	Lengthwise Regional Mechanics of the Human Aneurysmal Ascending Thoracic Aorta. Acta Biomaterialia, 2023, 162, 266-277.	10.5	13
8	Longitudinal Versus Circumferential Biomechanical Behavior of the Aneurysmal Ascending Aorta. Journal of Thoracic and Cardiovascular Surgery, 2024, 0, 1589-1600.e8.	3.6	8
9	Thoracic Aortic Aneurysm Risk Assessment: A Machine Learning Approach. JACC: Advances, 2023, 2, 100637.	3.2	5
10	Age Is Superior to Aortopathy Phenotype as a Predictor of Aortic Mechanics in Patients With Bicuspid Valve. Journal of Thoracic and Cardiovascular Surgery, 2025, 0, 531-541.e4.	3.6	4
11	Type B Aortic Dissection in Marfan Patients After the David Procedure: Insights From Patient-Specific Simulation. JTCVS Open, 2024, 0, 1-16.	2.0	10
12	Experimental Protocols to Test Aortic Soft Tissues: A Systematic Review. Bioengineering, 2024, 11, 745.	5.1	7
13	Towards Patient-Specific Hemodynamics of the Aorta: A Comprehensive CT-Guided Approach for Moving Boundary CFD Simulations. Computers in Biology and Medicine, 2025, 198, 111202.	8.4	7
14	Endovascular Management of Acute Type A Aortic Dissections. Contemporary Cardiology, 2026, .	0.0	0