Stanford



Mirela Tuzovic, MD

Clinical Assistant Professor, Medicine - Cardiovascular Medicine

CLINICAL OFFICE (PRIMARY)

- **Cardiovascular Medicine**
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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**
  Aya H. Golan - Administrative Assistant
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Bio

BIO

Dr. Mirela Tuzovic is a board-certified, fellowship-trained cardiologist and medical director of the Stanford Health Care Center for Marfan Syndrome and Related Aortic Disorders. Dr. Tuzovic is also a clinical assistant professor in the Department of Medicine, Division of Cardiovascular Medicine at Stanford University School of Medicine.

Dr. Tuzovic diagnoses and treats a wide range of cardiovascular conditions, including aortic disorders, Marfan syndrome and other heritable thoracic aortic disorders, and cardiovascular disease. She also specializes in cardiovascular imaging and structural echocardiology. For each of her patients, she offers a comprehensive, personalized care plan.

Dr. Tuzovic's research interests include the diagnosis and management of patients with aortic disease as well as cardiovascular imaging. As a structural echocardiographer, she is involved in multiple clinical trials for transcatheter valve repair and replacement through the Stanford Health Care Structural Heart Program. Her prior research focus has included echocardiography and cardio-oncology.

Dr. Tuzovic has published her research in peer-reviewed journals such as Circulation, the American Journal of Cardiology, Echocardiography, and JACC: CardioOncology.

Dr. Tuzovic is a member of the American College of Cardiology, the American Society of Echocardiography, and the Montalcino Aortic Consortium.

CLINICAL FOCUS

- Cardiovascular Imaging/Structural Echocardiography
- Aortic Disorders
- Cardio-Oncology
- Cardiovascular Disease

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Medicine - Cardiovascular Medicine
- Member, Cardiovascular Institute

HONORS AND AWARDS

- Research Honors, Jacobs School of Medicine and Biomedical Sciences, University at Buffalo
- Research Fellowship, University at Buffalo
- Medical Student Award, McGraw-Hill/Lange
- James A. Gibson, Wayne J. Atwell and Oliver P. Jones Award, Jacobs School of Medicine and Biomedical Sciences, University at Buffalo
- Alpha Omega Alpha Member, Jacobs School of Medicine and Biomedical Sciences, University at Buffalo

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Student Member, Medical School Admissions Committee, Jacobs School of Medicine and Biomedical Sciences, University at Buffalo (2010 - 2011)
- Member, Montalcino Aortic Consortium (2022 - present)
- Member, American Society of Echocardiography (2018 - present)
- Member, American College of Cardiology (2016 - present)

PROFESSIONAL EDUCATION

- Board Certification: Nuclear Cardiology, Alliance for Physician Certification and Advancement (2019)
- Fellowship: UCLA David Geffen School Of Medicine (2019) CA
- Board Certification: Adult Echocardiography, National Board of Echocardiography (2020)
- Board Certification, Certification Board of Cardiovascular Computed Tomography (2021)
- Board Certification, National Board of Echocardiography (2020)
- Board Certification: Cardiovascular Disease, American Board of Internal Medicine (2019)
- Board Certification, Certification Board of Nuclear Cardiology (2019)
- Board Certification: Internal Medicine, American Board of Internal Medicine (2016)
- Fellowship: Stanford University Cardiovascular Medicine Fellowship (2020) CA
- Residency: Stanford University Internal Medicine Residency (2016) CA
- Medical Education: University at Buffalo School of Medicine (2013) NY
- BS, Stanford University , Mechanical Engineering (2007)

Publications

PUBLICATIONS

- **Implementation of Cardio-Oncology Training for Cardiology Fellows** *JACC: CARDIOONCOLOGY*
  Tuzovic, M., Brown, S., Yang, E. H., West, B. H., Bassi, N. S., Park, S., Guha, A., Ghosh, A. K., Ganatra, S., Hayek, S. S., Moslehi, J., Jahangir, E.
  2020; 2 (5): 795–99
- **Totally Rad: Single Center Experience with Novel Radiation Attenuation Practices for the Interventional Echocardiographer**
  Beach, S., Tuzovic, M., Wang, J., Yadav, V., Lee, D., Sharma, R., Haeffele, C.
  American Society of Echocardiography.
  2025
- **Dorsal Root Ganglion Nerve Block Causing Reverse Takotsubo Cardiomyopathy**
  Li, J., Tuzovic, M., Cheng, E.

LIPPINCOTT WILLIAMS & WILKINS.2023

- **Reference change value of global longitudinal strain in clinical practice: A test-rest quality implementation project.** *Echocardiography (Mount Kisco, N.Y.)*
  Tuzovic, M., Tang, X., Francisco, N., Sell, A., Drew, R., Paloma, A., Chow, J., Liang, D., Heidenreich, P., Salerno, M., Schnittger, I., Haddad, F.
  2022
- **Left Atrial Mechanics and Diastolic Function Among People Living With Human Immunodeficiency Virus (from the Veterans Aging Cohort Study).** *The American journal of cardiology*
  Berg, C. J., Patel, B., Reynolds, M., Tuzovic, M., Chew, K. W., Sico, J. J., Bhattacharya, D., Butt, A. A., Lim, J. K., Bedimo, R. J., Brown, S. T., Gottdiener, J. S., Warner, et al
  2022; 186: 50-57
- **Radiation Therapy Cardiovascular Risks** *Cardio-Oncology Practice Manual: A Companion to Braunwald's Heart Disease*
  Tuzovic, M., Finch, W., Yang, E. H.
  2022
- **Long-Term Consequences of Radiation Therapy** *Cardio-Oncology Practice Manual: A Companion to Braunwald's Heart Disease*
  Finch, W., Tuzovic, M., Yang, E. H.
  2022
- **Cardio-Oncology Topics From ACC.20/WCC Virtual**
  Tuzovic, M., Liu, J. E.
  http://www.acc.org.
  2020
- **Summary of Clinical Trials for the Prevention and Treatment of Cardiomyopathy Related to Anthracyclines and HER2-Targeted Agents**
  Tuzovic, M., Yang, E. H., Witteles, R.
  https://www.acc.org.
  2020
- **Cardio-Oncology: Vascular and Metabolic Perspectives: A Scientific Statement From the American Heart Association.** *Circulation*
  Campia, U., Moslehi, J. J., Amiri-Kordestani, L., Barac, A., Beckman, J. A., Chism, D. D., Cohen, P., Groarke, J. D., Herrmann, J., Reilly, C. M., Weintraub, N. L.
  2019; 139 (13): e579-e602
- **Cardiac Complications in the Adult Bone Marrow Transplant Patient** *CURRENT ONCOLOGY REPORTS*
  Tuzovic, M., Mead, M., Young, P. A., Schiller, G., Yang, E. H.
  2019; 21 (3): 28
- **National Outcomes in Hospitalized Patients With Cancer and Comorbid Heart Failure.** *Journal of cardiac failure*
  Tuzovic, M., Yang, E. H., Sevag Packard, R. R., Ganz, P. A., Fonarow, G. C., Ziaeian, B.
  2019
- **A Changing Landscape of Mortality for Systemic Light Chain Amyloidosis.** *JACC. Heart failure*
  Barrett, C. D., Dobos, K. n., Liedtke, M. n., Tuzovic, M. n., Haddad, F. n., Kobayashi, Y. n., Lafayette, R. n., Fowler, M. B., Arai, S. n., Schrier, S. n., Witteles, R. M.
  2019
- **Current Imaging Strategies** *Practical Cardio-Oncology*
  Tuzovic, M., Hacobian, M., Yang, E. H.
  2019
- **Improving risk stratification in heart failure with preserved ejection fraction by combining two validated risk scores.** *Open heart*
  Boralkar, K. A., Kobayashi, Y., Moneghetti, K. J., Pargaonkar, V. S., Tuzovic, M., Krishnan, G., Wheeler, M. T., Banerjee, D., Kuznetsova, T., Horne, B. D., Knowlton, K. U., Heidenreich, P. A., Haddad, et al
  2019; 6 (1): e000961
- **Natural history of myocardial deformation in children, adolescents, and young adults exposed to anthracyclines: Systematic review and meta-analysis** *ECHOCARDIOGRAPHY-A JOURNAL OF CARDIOVASCULAR ULTRASOUND AND ALLIED TECHNIQUES*
  Tuzovic, M., Wu, P., Kianmahd, S., Nguyen, K.

2018; 35 (7): 922–34

- **Arterial Thrombosis in Patients with Cancer.** *Current treatment options in cardiovascular medicine*
  Tuzovic, M., Herrmann, J., Iliescu, C., Marmagkiolis, K., Ziaeian, B., Yang, E. H.
  2018; 20 (5): 40

- **THE COMPLEMENTARY VALUE OF THE GET WITH THE GUIDELINES: HEART FAILURE RISK SCORE AND LABORATORY MARKERS AT DISCHARGE IN PREDICTING MORTALITY IN PATIENTS HOSPITALIZED WITH HEART FAILURE WITH PRESERVED EJECTION FRACTION**
  Boralkar, K., Kobayashi, Y., Pargaonkar, V., Moneghetti, K., Tuzovic, M., Krishnan, G., Amsallem, M., Kouznetsova, T., Horne, B., Knowlton, K., Heidenreich, P., Haddad, F.
  ELSEVIER SCIENCE INC.2018: 839

- **Cardiac Toxicity of HER-2 Targeted Regimens** *HER-2 Positive Breast Cancer*
  Tuzovic, M., Agarwal, M., Thareja, N., Yang, E. H.
  2018

- **Cardiac Toxicity of HER-2 Targeted Regimens** *HER-2 Positive Breast Cancer*
  Tuzovic, M., Agarwal, M., Thareja, N., Yang, E. H.
  2018

- **Challenging the complementarity of different metrics of left atrial function: insight from a cardiomyopathy-based study** *EUROPEAN HEART JOURNAL-CARDIOVASCULAR IMAGING*
  Kobayashi, Y., Moneghetti, K. J., Boralkar, K., Amsallem, M., Tuzovic, M., Liang, D., Yang, P. C., Narayan, S., Kuznetsova, T., Wu, J. C., Schnittger, I., Haddad, F.
  2017; 18 (10): 1153–62

- **Cardiac Amyloidosis: Diagnosis and Treatment Strategies** *CURRENT ONCOLOGY REPORTS*
  Tuzovic, M., Yang, E. H., Baas, A. S., Depasquale, E. C., Deng, M. C., Cruz, D., Vorobiof, G.
  2017; 19 (7): 46

- **Functional Cardiac Recovery and Hematologic Response to Chemotherapy in Patients With Light-Chain Amyloidosis (from the Stanford University Amyloidosis Registry).** *The American journal of cardiology*
  Tuzovic, M. n., Kobayashi, Y. n., Wheeler, M. n., Barrett, C. n., Liedtke, M. n., Lafayette, R. n., Schrier, S. n., Haddad, F. n., Witteles, R. n.
  2017; 120 (8): 1381–86

- **Clinical Predictors of Short and Long Term Mortality in Patients With Heart Failure Preserved Ejection Fraction**
  Boralkar, K. A., Kobayashi, Y., Tuzovic, M., Moneghetti, K. J., Pargaonkar, V. S., Ouazani, N., Vrtovec, B., Wheeler, M., Banerjee, D., Heidenreich, P., Haddad, F.
  LIPPINCOTT WILLIAMS & WILKINS.2016

- **Challenging the complementarity of different metrics of left atrial function: insight from a cardiomyopathy-based study.** *European heart journal cardiovascular Imaging*
  Kobayashi, Y., Moneghetti, K. J., Boralkar, K., Amsallem, M., Tuzovic, M., Liang, D., Yang, P. C., Narayan, S., Kuznetsova, T., Wu, J. C., Schnittger, I., Haddad, F.
  2016

- **Regional right ventricular dysfunction in acute pulmonary embolism: relationship with clot burden and biomarker profile** *INTERNATIONAL JOURNAL OF CARDIOVASCULAR IMAGING*
  Tuzovic, M., Adigopula, S., Amsallem, M., Kobayashi, Y., Kadoch, M., Boulate, D., Krishnan, G., Liang, D., Schnittger, I., Fleischmann, D., McConnell, M. V., Haddad, F.
  2016; 32 (3): 389-398

- **Dynamic Changes in Cardiac Mechanics in AL Amyloidosis and Its Relationship to Hematologic Response to Chemotherapy** *Circulation*
  Tuzovic, M., Kobayashi, Y., Wheeler, M., Liedtke, M., Lafayette, R., Schrier, S., Haddad, F., Witteles, R.
  2016

- **PET REVERSE MISMATCH IS COMMON IN ISCHEMIC CARDIOMYOPATHY AND NOT LIMITED TO LEFT BUNDLE BRANCH BLOCK**
  Vijayasekaran, S., Tuzovic, M., deKemp, R. A., Canty, J., Fallavollita, J.
  ELSEVIER SCIENCE INC.2011: E790