



## Francois Haddad

Clinical Professor, Medicine - Cardiovascular Medicine

### CLINICAL OFFICE (PRIMARY)

- **Cardiovascular Medicine**

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### ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

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### Bio

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#### BIO

Dr. Francois Haddad, MD is a Clinical Professor of Medicine that specializes in the field of cardio-vascular imaging, pulmonary hypertension, advanced heart failure and transplantation. Dr. Haddad has over 18 years of practice in the field of cardiology. He directs Stanford Cardiovascular Institute Biomarker and Phenotypic Core Laboratory dedicated to translational studies in cardiovascular medicine. The laboratory focuses on (1) identifying early biomarkers of heart failure and aging, (2) bioengineering approaches to cardiovascular disease modeling and (3) novel informatic approach for the detection and risk stratification of disease. He is involved in several precision medicine initiatives in health including the Project Baseline, the Integrated Personalized Omics Profiling Initiative, the Athletic screening program at Stanford and the Strong-D cardiac rehabilitation initiative in individuals with diabetes mellitus.

#### CLINICAL FOCUS

- Right Heart Failure
- Pulmonary Hypertension
- Hypertensive Heart Disease
- Heart Failure with preserved ejection fraction
- Advanced heart failure
- Heart Transplantation
- Unexplained Dyspnea
- Mechanical Cardiac Support
- Advanced Heart Failure and Transplant Cardiology

#### ACADEMIC APPOINTMENTS

- Clinical Professor, Medicine - Cardiovascular Medicine
- Member, Cardiovascular Institute
- Member, Wu Tsai Human Performance Alliance

## ADMINISTRATIVE APPOINTMENTS

- Task Force member, WHO Pulmonary Hypertension Committee, (2013-2018)
- Right Heart Expert Panel, American Thoracic Society, (2015-2018)
- Director Biomarker and Phenotypic Core Laboratory, Cardiovascular Institute, (2013- present)

## HONORS AND AWARDS

- Dean's Honours List, University of Montreal (2000-2004)
- Governor's General Medal of Excellence, Government of Canada (1992)
- Faculty Teacher Award, Montreal University (2004)

## BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Expert Panelist, American Thoracic Association (2015 - present)
- Council Leadership, American Heart Association 3CPR Council (2013 - present)

## PROFESSIONAL EDUCATION

- Fellowship: Stanford University Cardiovascular Medicine Fellowship (2007) CA
- Board Certification: Cardiology, Royal College of Physicians and Surgeons (2004)
- Fellowship: Montreal Heart Institute (2004) Canada
- Residency: Montreal University Medical Center (2001) Canada
- Internship: University of Montreal/Sacre-Coeur Hospital (1999) Canada
- Board Certification: Internal Medicine, Royal College of Physicians and Surgeons (2003)
- Medical Education: University of Montreal (1998) Canada

## LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

## Research & Scholarship

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### CLINICAL TRIALS

- HIIT vs MICT Training Study, Recruiting
- REFLECS, Not Recruiting
- Safety and Efficacy Study of Stem Cell Transplantation to Treat Dilated Cardiomyopathy, Not Recruiting

## Teaching

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### STANFORD ADVISEES

#### Postdoctoral Faculty Sponsor

Nancy Herrera Leano

#### Postdoctoral Research Mentor

Bettia Celestin

### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Medicine (Masters Program)

## Publications

### PUBLICATIONS

- **Artificial Intelligence-Based Echocardiography in Pulmonary Arterial Hypertension.** *Chest*  
Celestin, B., Bagherzadeh, S. P., Santana, E., Frost, M., Iversen, M., Hermansson, F. N., Sweatt, A., Zamanian, R. T., Hummel, Y. M., Rendon, G. G., Yen, J., Sandros, M., Salerno, et al  
2025
- **International Society for Heart and Lung Transplantation (ISHLT) Consensus Statement on Risk Stratification in Pulmonary Arterial Hypertension.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*  
Sahay, S., Visovatti, S., Tonelli, A. R., Villasmil Hernandez, N., Austin, E. D., Badagliacca, R., Berger, R. M., Boucly, A., Chen, Y., Church, C., Delcroix, M., Everett, A. D., Farber, et al  
2025
- **Challenges and opportunities in assessing right ventricular structure and function: a Roadmap for standardization, clinical implementation and research.** *Nature reviews. Cardiology*  
Kovacs, A., Magunia, H., Nicoara, A., Oxborough, D., Keller, M., Augustine, D. X., Thijssen, D., van Dijk, A., Denault, A., Haddad, F., Surkova, E.  
2025
- **Reference equations for peak oxygen uptake for treadmill cardiopulmonary exercise tests based on the NHANES lean body mass equations, a FRIEND registry study.** *European journal of preventive cardiology*  
Santana, E. J., Kim, D. S., Christle, J. W., Cauwenberghs, N., Celestin, B. E., Tso, J. V., Wheeler, M. T., Ashley, E. A., Peterman, J. E., Gardner, C., Arena, R., Harber, M., Kaminsky, et al  
2025
- **Socioeconomic Deprivation And The Severity Of Newly Diagnosed Transthyretin Cardiac Amyloidosis: Is There A Link?**  
Fahed, G., Jimenez, J., Fonseca, M., Spencer-bonilla, G., Haddad, F., Witteles, R. M., Alexander, K. M.  
CHURCHILL LIVINGSTONE INC MEDICAL PUBLISHERS.2025
- **A generalized equation for predicting peak oxygen consumption during treadmill exercise testing: mitigating the bias from total body mass scaling.** *Frontiers in cardiovascular medicine*  
Santana, E. J., Cauwenberghs, N., Celestin, B. E., Kuznetsova, T., Gardner, C., Arena, R., Kaminsky, L. A., Harber, M. P., Ashley, E., Christle, J. W., Myers, J., Haddad, F.  
2024; 11: 1393363
- **The Association of Echocardiographically Measured Donor Left Ventricular Mass and 1-Year Outcomes After Heart Transplantation.** *JACC. Heart failure*  
O'Donnell, C., Tapaskar, N., Sanchez, P. A., Wayda, B., Santana, E. J., Pulgrossi, R. C., Steffner, K., Zhang, S., Weng, Y., Sun, L. Y., Malinoski, D., Zaroff, J., Haddad, et al  
2024
- **Identifying consistent echocardiographic thresholds for risk stratification in pulmonary arterial hypertension.** *Pulmonary circulation*  
Celestin, B. E., Bagherzadeh, S. P., Ichimura, K., Santana, E. J., Sanchez, P. A., Tobore, T., Hemnes, A. R., Noordegraaf, A. V., Salerno, M., Zamanian, R. T., Sweatt, A. J., Haddad, F.  
2024; 14 (2): e12361
- **Smartphone-Based Recognition of Heart Failure by Means of Microelectromechanical Sensors.** *JACC. Heart failure*  
Haddad, F., Saraste, A., Santalahti, K. M., Pänkäälä, M., Kaisti, M., Kandolin, R., Simonen, P., Nammas, W., Jafarian Dehkordi, K., Koivisto, T., Knuuti, J., Mahaffey, K. W., Blomster, et al  
2024
- **High and intermediate risk pulmonary embolism in the ICU.** *Intensive care medicine*  
Millington, S. J., Aissaoui, N., Bowcock, E., Brodie, D., Burns, K. E., Douflé, G., Haddad, F., Lahm, T., Piazza, G., Sanchez, O., Savale, L., Vieillard-Baron, A.  
2023
- **The Echocardiographic Evaluation of the Right Heart: Current and Future Advances.** *Current cardiology reports*  
O'Donnell, C., Sanchez, P. A., Celestin, B., McConnell, M. V., Haddad, F.  
2023

- **Strength training is more effective than aerobic exercise for improving glycaemic control and body composition in people with normal-weight type 2 diabetes: a randomised controlled trial.** *Diabetologia*  
Kobayashi, Y., Long, J., Dan, S., Johannsen, N. M., Talamoa, R., Raghuram, S., Chung, S., Kent, K., Basina, M., Lamendola, C., Haddad, F., Leonard, M. B., Church, et al  
2023
- **Right Ventricular Dysfunction Patterns Among Patients with COVID-19 in the Intensive Care Unit - a Retrospective Cohort Analysis.** *Annals of the American Thoracic Society*  
Sanchez, P. A., O'Donnell, C. T., Francisco, N., Santana, E. J., Moore, A. R., Pacheco-Navarro, A., Roque, J., Lebold, K. M., Parmer, C. M., Pienkos, S. M., Celestin, B. E., Levitt, J. E., Collins, et al  
2023
- **Automation for Right Heart Analysis: The Start of a New Era.** *JACC. Cardiovascular imaging*  
Haddad, F., Gomes, B.  
2023
- **Improved Right Ventricular Energy Efficiency by 4-Dimensional Flow Magnetic Resonance Imaging After Harmony Valve Implantation.** *JACC. Advances*  
Woo, J. P., Dong, M. L., Kong, F., McElhinney, D. B., Schiavone, N., Chan, F., Lui, G. K., Haddad, F., Bernstein, D., Marsden, A.  
2023; 2 (3)
- **Clinical and echocardiographic diversity associated with physical fitness in the Project Baseline Health Study: implications for heart failure staging.** *Journal of cardiac failure*  
Cauwenberghs, N., Haddad, F., Daubert, M. A., Chatterjee, R., Salerno, M., Mega, J. L., Heidenreich, P., Hernandez, A., Amsallem, M., Kobayashi, Y., Mahaffey, K. W., Shah, S. H., Bloomfield, et al  
2023
- **Accelerated Epigenetic Aging Is Associated With Multiple Cardiometabolic, Hematologic, and Renal Abnormalities: A Project Baseline Health Substudy.** *Circulation. Genomic and precision medicine*  
Uchegara, B., Coulter Kwee, L., Regan, J., Chatterjee, R., Eckstrand, J., Swope, S., Gold, G., Schaack, T., Douglas, P., Mettu, P., Haddad, F., Shore, S., Hernandez, et al  
2023: e003772
- **The heart of the matter: Right heart imaging indicators for treatment escalation in pulmonary arterial hypertension.** *Pulmonary circulation*  
Forfia, P., Benza, R., D'Alto, M., De Marco, T., Elwing, J. M., Frantz, R., Haddad, F., Oudiz, R., Preston, I. R., Rosenkranz, S., Ryan, J., Schilz, R., Shlobin, et al  
2023; 13 (2): e12240
- **Challenging obesity and sex based differences in resting energy expenditure using allometric modeling, a sub-study of the DIETFITS clinical trial.** *Clinical nutrition ESPEN*  
Haddad, F., Li, X., Perelman, D., Santana, E. J., Kuznetsova, T., Cauwenberghs, N., Busque, V., Contrepolis, K., Snyder, M. P., Leonard, M. B., Gardner, C.  
2023; 53: 43-52
- **Defining left ventricular remodeling using lean body mass allometry: a UK Biobank study.** *European journal of applied physiology*  
Gomes, B., Hedman, K., Kuznetsova, T., Cauwenberghs, N., Hsu, D., Kobayashi, Y., Ingelsson, E., Oxborough, D., George, K., Salerno, M., Ashley, E., Haddad, F.  
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
- **4D flow cardiovascular magnetic resonance recovery profiles following pulmonary endarterectomy in chronic thromboembolic pulmonary hypertension.** *Journal of cardiovascular magnetic resonance : official journal of the Society for Cardiovascular Magnetic Resonance*  
Dong, M. L., Azarine, A., Haddad, F., Amsallem, M., Kim, Y., Yang, W., Fadel, E., Aubrege, L., Loecher, M., Ennis, D., Pavec, J. L., Vignon-Clementel, I., Feinstein, et al  
2022; 24 (1): 59
- **Association of left ventricular diastolic function with coronary artery calcium score: A Project Baseline Health Study.** *Journal of cardiovascular computed tomography*

- Haddad, F., Cauwenberghs, N., Daubert, M. A., Kobayashi, Y., Bloomfield, G. S., Fleischman, D., Koweek, L., Maron, D. J., Rodriguez, F., Liao, Y. J., Moneghetti, K., Amsallem, M., Mega, et al  
2022
- **Elucidating tricuspid Doppler signal interpolation and its implication for assessing pulmonary hypertension** *PULMONARY CIRCULATION*  
Dual, S. A., Verdonk, C., Amsallem, M., Pham, J., Obasohan, C., Nataf, P., McElhinney, D. B., Arunamata, A., Kuznetsova, T., Zamanian, R., Feinstein, J. A., Marsden, A., Haddad, et al  
2022; 12 (3): e12125
  - **Temporal shift and predictive performance of machine learning for heart transplant outcomes.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*  
Miller, R. J., Sabovcik, F., Cauwenberghs, N., Vens, C., Khush, K. K., Heidenreich, P. A., Haddad, F., Kuznetsova, T.  
2022
  - **An inflammatory aging clock (iAge) based on deep learning tracks multimorbidity, immunosenescence, frailty and cardiovascular aging.** *Nature aging*  
Sayed, N., Huang, Y., Nguyen, K., Krejciova-Rajaniemi, Z., Grawe, A. P., Gao, T., Tibshirani, R., Hastie, T., Alpert, A., Cui, L., Kuznetsova, T., Rosenberg-Hasson, Y., Ostan, et al  
2021; 1: 598-615
  - **Donor and Recipient Size Matching in Heart Transplantation with Predicted Heart and Lean Body Mass.** *Seminars in thoracic and cardiovascular surgery*  
Miller, R. J., Hedman, K. n., Amsallem, M. n., Tulu, Z. n., Kent, W. n., Fatehi, A. n., Clarke, B. n., Heidenreich, P. n., Hiesinger, W. n., Khush, K. K., Teuteberg, J. n., Haddad, F. n.  
2021
  - **The Right Heart Network and Risk Stratification in Pulmonary Arterial Hypertension.** *Chest*  
Haddad, F., Contrepois, K., Amsallem, M., Denault, A. Y., Bernardo, R. J., Jha, A., Taylor, S., Arthur Ataam, J., Mercier, O., Kouznetsova, T., Vonk Noordegraaf, A., Zamanian, R. T., Sweatt, et al  
2021
  - **Cardiopulmonary Exercise Testing With Echocardiography to Assess Recovery in Patients With Ventricular Assist Devices.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*  
Christle, J. W., Moneghetti, K. J., Duclos, S., Mueller, S., Moayed, Y., Khush, K. K., Haddad, F., Hiesinger, W., Myers, J., Ashley, E. A., Teuteberg, J. J., Wheeler, M. T., Banerjee, et al  
2021; 67 (10): 1134-1138
  - **Association of Subclinical Heart Maladaptation With the Pooled Cohort Equations to Prevent Heart Failure Risk Score for Incident Heart Failure.** *JAMA cardiology*  
Cauwenberghs, N., Haddad, F., Kuznetsova, T.  
2020
  - **Are pressure-volume loops relevant for hemodynamic assessment during ex vivo heart perfusion?** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*  
Guihaire, J., Haddad, F., Mercier, O.  
2020; 39 (10): 1165-66
  - **Trends in Left Ventricular Ejection Fraction for Patients With a New Diagnosis of Heart Failure.** *Circulation. Heart failure*  
Tisdale, R. L., Haddad, F., Kohsaka, S., Heidenreich, P. A.  
2020: CIRCHEARTFAILURE119006743
  - **The Project Baseline Health Study: a step towards a broader mission to map human health.** *NPJ digital medicine*  
Arges, K., Assimes, T., Bajaj, V., Balu, S., Bashir, M. R., Beskow, L., Blanco, R., Califf, R., Campbell, P., Carin, L., Christian, V., Cousins, S., Das, et al  
2020; 3 (1): 84
  - **Quantifying the Influence of Wedge Pressure, Age, and Heart Rate on the Systolic Thresholds for Detection of Pulmonary Hypertension.** *Journal of the American Heart Association*  
Amsallem, M., Tedford, R. J., Denault, A., Sweatt, A. J., Guihaire, J., Hedman, K., Peighambari, S., Kim, J. B., Li, X., Miller, R. J., Mercier, O., Fadel, E., Zamanian, et al  
2020: e016265

- **Are pressure-volume loops relevant for hemodynamic assessment during ex vivo heart perfusion?** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*  
Guihaire, J., Haddad, F., Mercier, O.  
2020
- **Subclinical left atrial dysfunction profiles for prediction of cardiac outcome in the general population.** *Journal of hypertension*  
Cauwenberghs, N. n., Haddad, F. n., Sabovčik, F. n., Kobayashi, Y. n., Amsallem, M. n., Morris, D. A., Voigt, J. U., Kuznetsova, T. n.  
2020
- **Targeted Proteomics of Right Heart Adaptation to Pulmonary Arterial Hypertension.** *The European respiratory journal*  
Amsallem, M. n., Sweatt, A. J., Arthur Ataam, J. n., Guihaire, J. n., Lecerf, F. n., Lambert, M. n., Ghigna, M. R., Ali, M. K., Mao, Y. n., Fadel, E. n., Rabinovitch, M. n., de Jesus Perez, V. n., Spiekerkoetter, et al  
2020
- **The impact of prescribed fire versus wildfire on the immune and cardiovascular systems of children** *ALLERGY*  
Prunicki, M., Kelsey, R., Lee, J., Zhou, X., Smith, E., Haddad, F., Wu, J., Nadeau, K.  
2019; 74 (10): 1989–91
- **Outcomes in patients undergoing cardiac retransplantation: A propensity matched cohort analysis of the UNOS Registry.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*  
Miller, R. J., Clarke, B. A., Howlett, J. G., Khush, K. K., Teuteberg, J. J., Haddad, F.  
2019
- **Blood pressure in athletic preparticipation evaluation and the implication for cardiac remodelling.** *Heart (British Cardiac Society)*  
Hedman, K., Moneghetti, K. J., Christle, J. W., Bagherzadeh, S. P., Amsallem, M., Ashley, E., Froelicher, V., Haddad, F.  
2019
- **A longitudinal big data approach for precision health** *NATURE MEDICINE*  
Rose, S., Contrepois, K., Moneghetti, K. J., Zhou, W., Mishra, T., Mataraso, S., Dagan-Rosenfeld, O., Ganz, A. B., Dunn, J., Hornburg, D., Rego, S., Perelman, D., Ahadi, et al  
2019; 25 (5): 792-+
- **Right ventricular mitochondrial respiratory function in a piglet model of chronic pulmonary hypertension.** *The Journal of thoracic and cardiovascular surgery*  
Noly, P., Piquereau, J., Coblenche, M., Ataam, J. A., Guihaire, J., Rucker-Martin, C., Decante, B., Haddad, F., Fadel, E., Mercier, O.  
2019
- **Circulating Biomarkers Predicting Longitudinal Changes in Left Ventricular Structure and Function in a General Population.** *Journal of the American Heart Association*  
Cauwenberghs, N., Ravassa, S., Thijs, L., Haddad, F., Yang, W., Wei, F., Lopez, B., Gonzalez, A., Diez, J., Staessen, J. A., Kuznetsova, T.  
2019; 8 (2): e010430
- **Discovery of Distinct Immune Phenotypes Using Machine Learning in Pulmonary Arterial Hypertension.** *Circulation research*  
Sweatt, A. J., Hedlin, H. K., Balasubramanian, V. n., Hsi, A. n., Blum, L. K., Robinson, W. H., Haddad, F. n., Hickey, P. M., Condliffe, R. A., Lawrie, A. n., Nicolls, M. R., Rabinovitch, M. n., Khatri, et al  
2019
- **Pathophysiology of the right ventricle and of the pulmonary circulation in pulmonary hypertension: an update.** *The European respiratory journal*  
Vonk Noordegraaf, A., Chin, K. M., Haddad, F., Hassoun, P. M., Hemnes, A. R., Hopkins, S. R., Kawut, S. M., Langleben, D., Lumens, J., Naeije, R.  
2018
- **The Incremental Value of Right Ventricular Size and Strain in the Risk Assessment of Right Heart Failure Post - Left Ventricular Assist Device Implantation.** *Journal of cardiac failure*  
Aymami, M., Amsallem, M., Adams, J., Sallam, K., Moneghetti, K., Wheeler, M., Hiesinger, W., Teuteberg, J., Weisshaar, D., Verhoye, J., Woo, Y. J., Ha, R., Haddad, et al  
2018; 24 (12): 823–32
- **Forgotten No More: A Focused Update on the Right Ventricle in Cardiovascular Disease.** *JACC. Heart failure*  
Amsallem, M., Mercier, O., Kobayashi, Y., Moneghetti, K., Haddad, F.  
2018

- **Right ventricular load adaptability metrics in patients undergoing left ventricular assist device implantation.** *The Journal of thoracic and cardiovascular surgery*  
Amsallem, M., Aymami, M., Hiesinger, W., Zeigler, S., Moneghetti, K., Marques, M., Teuteberg, J., Ha, R., Banerjee, D., Haddad, F.  
2018
- **Optimizing right ventricular focused four-chamber views using three-dimensional imaging, a comparative magnetic resonance based study.** *The international journal of cardiovascular imaging*  
Amsallem, M., Lu, H., Tang, X., Do Couto Francisco, N. L., Kobayashi, Y., Moneghetti, K., Shiran, H., Rogers, I., Schnittger, I., Liang, D., Haddad, F.  
2018
- **Long-term prognostic value of invasive and non-invasive measures early after heart transplantation.** *International journal of cardiology*  
Kobayashi, Y. n., Kobayashi, Y. n., Yang, H. M., Bouajila, S. n., Luikart, H. n., Nishi, T. n., Choi, D. H., Schnittger, I. n., Valantine, H. A., Khush, K. K., Yeung, A. C., Haddad, F. n., Fearon, et al  
2018; 260: 31–35
- **Early Development of Right Ventricular Ischemic Lesions in a Novel Large Animal Model of Acute Right Heart Failure in Chronic Thromboembolic Pulmonary Hypertension.** *Journal of cardiac failure*  
Boulate, D. n., Arthur Ataam, J. n., Connolly, A. J., Giraldeau, G. n., Amsallem, M. n., Decante, B. n., Lamrani, L. n., Fadel, E. n., Dorfmueller, P. n., Perros, F. n., Haddad, F. n., Mercier, O. n.  
2017
- **Noninvasive Imaging in the Assessment of the Cardiopulmonary Vascular Unit** *CIRCULATION*  
Noordegraaf, A. V., Haddad, F., Bogaard, H. J., Hassoun, P. M.  
2015; 131 (10): 899-913
- **Experimental Models of Right Heart Failure: A Window for Translational Research in Pulmonary Hypertension** *SEMINARS IN RESPIRATORY AND CRITICAL CARE MEDICINE*  
Guihaire, J., Bogaard, H. J., Flecher, E., Noly, P., Mercier, O., Haddad, F., Fadel, E.  
2013; 34 (5): 689-699
- **Effects of Intracoronary CD34(+) Stem Cell Transplantation in Nonischemic Dilated Cardiomyopathy Patients 5-Year Follow-Up** *CIRCULATION RESEARCH*  
Vrtovec, B., Poglajen, G., Lezaic, L., Sever, M., Domanovic, D., Cernelc, P., Socan, A., Schrepfer, S., Torre-Amione, G., Haddad, F., Wu, J. C.  
2013; 112 (1): 165-173
- **Sudden death in myotonic dystrophy** *NEW ENGLAND JOURNAL OF MEDICINE*  
Vrtovec, B., Haddad, F.  
2008; 359 (15): 1628-1628
- **Twenty-year survivors of heart transplantation at Stanford University** *AMERICAN JOURNAL OF TRANSPLANTATION*  
Deuse, T., Haddad, F., Pham, M., Hunt, S., Valantine, H., BATES, M. J., Mallidi, H. R., Oyer, P. E., Robbins, R. C., Reitz, B. A.  
2008; 8 (9): 1769-1774
- **The changing face of heart transplantation** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*  
Hunt, S. A., Haddad, F.  
2008; 52 (8): 587-598
- **Right ventricular function in cardiovascular disease, Part II - Pathophysiology, clinical importance, and management of right ventricular failure** *CIRCULATION*  
Haddad, F., Doyle, R., Murphy, D. J., Hunt, S. A.  
2008; 117 (13): 1717-1731
- **Right ventricular function in cardiovascular disease, part I - Anatomy, physiology, aging, and functional assessment of the right ventricle** *CIRCULATION*  
Haddad, F., Hunt, S. A., Rosenthal, D. N., Murphy, D. J.  
2008; 117 (11): 1436-1448
- **Right ventricular myocardial performance index predicts perioperative mortality or circulatory failure in high-risk valvular surgery** *JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY*  
Haddad, F., Denault, A. Y., Couture, P., Cartier, R., Pellerin, M., Levesque, S., Lambert, J., Tardif, J.  
2007; 20 (9): 1065-1072

- **Authors' Perspective on the International Society for Heart and Lung Transplantation Consensus Statement on Risk Stratification in Pulmonary Arterial Hypertension.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*  
Sahay, S., Visovatti, S., Tonelli, A. R., Villasmil Hernandez, N., Austin, E. D., Badagliacca, R., Berger, R. M., Boucly, A., Chen, Y., Church, C., Delcroix, M., Everett, A. D., Farber, et al  
2025; 44 (11): 1683-1687
- **CARS2Hypermethylation Is a Risk Factor for Heart Failure: A Project Baseline Health Substudy.** *Circulation. Genomic and precision medicine*  
Regan, J. A., Franklin, J., Kottitil, K., Cauwenberghs, N., Mahaffey, K. W., Douglas, P. S., Rodriguez, F., Haddad, F., Hernandez, A. F., Shah, S. H., Kwee, L. C., Project Baseline Health Study Group  
2025: e005073
- **Generation of two induced pluripotent stem cell lines from dilated cardiomyopathy patients harbouring TTN mutations.** *Stem cell research*  
Tan, R., Chen, Y. I., Zha, Y., Herron, T., Haddad, F., Sallam, K., Wu, J. C.  
2025; 88: 103834
- **Olfactory Dysfunction After SARS-CoV-2 Infection in the RECOVER Adult Cohort.** *JAMA network open*  
Horwitz, L. I., Becker, J. H., Huang, W., Akintonwa, T., Hornig-Rohan, M. M., Maranga, G., Adams, D. R., Albers, M. W., Ayache, M., Berry, J., Brim, H., Bryan, T. W., Charney, et al  
2025; 8 (9): e2533815
- **Cardiac CT fractal analysis of LV noncompaction and common cardiomyopathies.** *Journal of cardiovascular computed tomography*  
Manohar, A., Wong, A., Castillo, E., Gunderson, A., Mistelbauer, G., Bagherzadeh, S. P., Haddad, F., Caliskan, K., Budde, R. P., Hirsch, A., Lee, S. P., Lee, W., Owens, et al  
2025
- **CARS2 Hypermethylation Is a Risk Factor for Stage B Heart Failure and Hospitalizations in the Project Baseline Health Study.** *medRxiv : the preprint server for health sciences*  
Regan, J. A., Franklin, J., Kottitil, K., Cauwenberghs, N., Mahaffey, K. W., Douglas, P. S., Rodriguez, F., Haddad, F., Hernandez, A. F., Shah, S. H., Kwee, L. C.  
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