

Stanford



Randall Vagelos, MD

Professor of Medicine (Cardiovascular) at the Stanford University Medical Center
Medicine - Cardiovascular Medicine

CLINICAL OFFICES

- **Cardiovascular Medicine**

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ACADEMIC CONTACT INFORMATION

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Bio

BIO

Board certified in Internal Medicine, General Cardiology, Interventional Cardiology, and Heart Failure and Transplantation. Medical Director of Stanford Cardiac Care Unit since 1991. Clinical interests: CHF, advanced structural heart disease (heart muscle, coronary artery, valve, and pericardial), as well as post radiation and chemotherapy induced heart damage.

CLINICAL FOCUS

- Cardiology (Heart)
- Cardiovascular Disease
- Heart and Lung Transplantation
- valvular heart disease
- Heart Failure
- Radiation/Chemotherapy induced cardiac disease
- Pericardial disease

ACADEMIC APPOINTMENTS

- Professor - Med Center Line, Medicine - Cardiovascular Medicine
- Member, Cardiovascular Institute

PROFESSIONAL EDUCATION

- Residency: Columbia Presbyterian Pediatric Residency Program (1986) NY
- Internship: Columbia Presbyterian Pediatric Residency Program (1984) NY
- Fellowship: Stanford University School of Medicine Registrar (1991) CA
- Cardiology Fellowship, Stanford University School of Medicine, Cardiology Fellowship (1989)
- Board Certification: Advanced Heart Failure and Transplant Cardiology, American Board of Internal Medicine (2014)

- Board Certification, American Board of Internal Medicine , Interventional Cardiology (2002)
- Board Certification: Cardiovascular Disease, American Board of Internal Medicine (1989)
- Medical Education: Columbia University College of Physicians and Surgeons (1983) NY
- Board Certification: Internal Medicine, American Board of Internal Medicine (1986)

LINKS

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

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

I. Congestive Heart Failure

New Medical Therapies

Prognostic Evaluation

Selection for Cardiac Transplantation

II. Screening for Myocardial Necrosis

New ECG Monitoring Devices

New Serum Markers

III. Screening for CAD

Patients Who Have Received Radiation Rx

Diabetics Being Considered for Renal Transplantation.

Publications

PUBLICATIONS

- **Quantitative Comparison of Microcirculatory Dysfunction in Patients With Stress Cardiomyopathy and ST-Segment Elevation Myocardial Infarction** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Kim, H., Tremmel, J. A., Nam, C., Zhou, J., Haddad, F., Vagelos, R. H., Lee, D. P., Yeung, A. C., Fearon, W. F.
2011; 58 (23): 2430-2431
- **Characteristics and Outcome After Hospitalization for Acute Right Heart Failure in Patients With Pulmonary Arterial Hypertension** *CIRCULATION-HEART FAILURE*
Haddad, F., Peterson, T., Fuh, E., Kudelko, K. T., Perez, V. D., Skhiri, M., Vagelos, R., Schnittger, I., Denault, A. Y., Rosenthal, D. N., Doyle, R. L., Zamanian, R. T.
2011; 4 (6): 692-699
- **Measurement Precision in the Optimization of Cardiac Resynchronization Therapy** *CIRCULATION-HEART FAILURE*
Turcott, R. G., Witteles, R. M., Wang, P. J., Vagelos, R. H., Fowler, M. B., Ashley, E. A.
2010; 3 (3): 395-404
- **Dyssynchrony Assessment with Tissue Doppler Imaging and Regional Volumetric Analysis by 3D Echocardiography Do Not Predict Long-Term Response to Cardiac Resynchronization Therapy.** *Cardiology research and practice*
Kuppahally, S. S., Fowler, M. B., Vagelos, R., Wang, P., Al-Ahmad, A., Hsia, H., Liang, D.
2010; 2011: 568918-?
- **Worsening of Left Ventricular End-Systolic Volume and Mitral Regurgitation without Increase in Left Ventricular Dyssynchrony on Acute Interruption of Cardiac Resynchronization Therapy** *ECHOCARDIOGRAPHY-A JOURNAL OF CARDIOVASCULAR ULTRASOUND AND ALLIED TECHNIQUES*
Kuppahally, S. S., Fowler, M. B., Vagelos, R., Wang, P., Al-Ahmad, A., Paloma, A., Liang, D.

2009; 26 (7): 759-765

- **Angina Associated With Left Main Coronary Artery Compression in Pulmonary Hypertension** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
Perez, V. A., Haddad, F., Vagelos, R. H., Fearon, W., Feinstein, J., Zamanian, R. T.
2009; 28 (5): 527-530
- **Effect of rapamycin therapy on coronary artery physiology early after cardiac transplantation** *AMERICAN HEART JOURNAL*
Sinha, S. S., Pham, M. X., Vagelos, R. H., Perlroth, M. G., Hunt, S. A., Lee, D. P., Valantine, H. A., Yeung, A. C., Fearon, W. F.
2008; 155 (5)
- **Predictive value of the index of microcirculatory resistance in patients with ST-segment elevation myocardial infarction** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Fearon, W. F., Shah, M., Ng, M., Brinton, T., Wilson, A., Tremmel, J. A., Schnittger, I., Lee, D. P., Vagelos, R. H., Fitzgerald, P. J., Yock, P. G., Yeung, A. C.
2008; 51 (5): 560-565
- **Cardiogenic Shock. In: D. Daniels, S. Rockson, R. Vagelos (eds.) Concise Cardiology: An Evidence-Based Handbook.** *Lippincott, Williams and Wilkins.*
Daniels, D., Brinton, T., Vagelos, R.
2008: 61-68
- **Impact of nesiritide on renal function in patients with acute decompensated failure an pre-existing renal dysfunction - A randomized, double-blind, placebo-controlled clinical trial** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Witteles, R. M., Kao, D., Christopherson, D., Matsuda, K., Vagelos, R. H., Schreiber, D., Fowler, M. B.
2007; 50 (19): 1835-1840
- **Outcome in cardiac recipients of donor hearts with increased left ventricular wall thickness** *AMERICAN JOURNAL OF TRANSPLANTATION*
Kuppahally, S. S., Valantine, H. A., Weisshaar, D., Parekh, H., Hung, Y. Y., Haddad, F., Fowler, M., Vagelos, R., Perlroth, M. G., Robbins, R. C., Hunt, S. A.
2007; 7 (10): 2388-2395
- **Changes in coronary anatomy and physiology after heart transplantation** *AMERICAN JOURNAL OF CARDIOLOGY*
Hirohata, A., Nakamura, M., Waseda, K., Honda, Y., Lee, D. P., Vagelos, R. H., Hunt, S. A., Valantine, H. A., Yock, P. G., Fitzgerald, P. J., Yeung, A. C., Fearon, W. F.
2007; 99 (11): 1603-1607
- **Recurrent spontaneous coronary artery dissection with transient left ventricular systolic dysfunction.** *International journal of cardiology*
Ardehali, R., Brinton, T. J., Wilson, A. M., Gradman, M., Vagelos, R. H., Lee, D. P.
2007; 116 (2): e48-50
- **The effect of gender on mortality or appropriate shock in patients with nonischemic cardiomyopathy who have implantable cardioverter-defibrillators** *PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY*
Chen, H. A., Hsia, H. H., Vagelos, R., Fowler, M., Wang, P., Al-Ahmad, A.
2007; 30 (3): 390-394
- **Screening for coronary artery disease after mediastinal irradiation for Hodgkin's disease** *JOURNAL OF CLINICAL ONCOLOGY*
Heidenreich, P. A., Schnittger, I., Strauss, H. W., Vagelos, R. H., Lee, B. K., Mariscal, C. S., Tate, D. J., Horning, S. J., Hoppe, R. T., Hancock, S. L.
2007; 25 (1): 43-49
- **Emerging therapies for the management of decompensated heart failure - From bench to bedside** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
DeGoma, E. M., Vagelos, R. H., Fowler, M. B., Ashley, E. A.
2006; 48 (12): 2397-2409
- **Successful removal of a paradoxical coronary embolus using an aspiration catheter** *NATURE CLINICAL PRACTICE CARDIOVASCULAR MEDICINE*
Wilson, A. M., Ardehali, R., Brinton, T. J., Yeung, A. C., Vagelos, R.
2006; 3 (11): 633-636
- **Left ventricular dyssynchrony does not deteriorate acutely on cessation of cardiac resynchronization therapy in long term responders** *10th Annual Scientific Meeting of the Heart-Failure-Society-of-America*
Kuppahally, S., Fowler, M., Wang, P., Vagelos, R., Al-Ahmad, A., Paloma, A., Liang, D.
CHURCHILL LIVINGSTONE INC MEDICAL PUBLISHERS.2006: S76-S76
- **Discordant changes in epicardial and microvascular coronary physiology after cardiac transplantation: Physiologic investigation for transplant arteriopathy II (PITA II) study** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*

- Fearon, W. F., Hirohata, A., Nakamura, M., Luikart, H., Lee, D. P., Vagelos, R. H., Hunt, S. A., Valentine, H. A., Fitzgerald, P. J., Yock, P. G., Yeung, A. C. 2006; 25 (7): 765-771
- **Rapamycin therapy improves coronary physiology after cardiac transplantation** *55th Annual Scientific Session of the American-College-of-Cardiology*
Sinha, S. S., Lee, D. P., Pham, M. X., Vagelos, R. H., Hunt, S. A., Valentine, H. A., Yeung, A. C., Fearon, W. F.
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Heidenreich, P. A., Hancock, S. L., Vagelos, R. H., Lee, B. K., Schnittger, I.
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 - **Lymphocytic myocarditis after lung transplantation** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
Weinkauff, J., Walia, R., Berry, G. J., Vagelos, R., Faul, J. L.
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 - **Preoperative cardiac evaluation: mechanisms, assessment, and reduction of risk.** *Thoracic surgery clinics*
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 - **"Tako-tsubo-like left ventricular dysfunction": a clinical entity mimicking acute myocardial infarction with a favorable prognosis.** *American journal of geriatric cardiology*
Farouque, H. M., Kaltenbach, T., Ako, J., Tremmel, J. A., Fearon, W. F., Yeung, A. C., Vagelos, R. H.
2004; 13 (6): 323-326
 - **Impact of angiotensin-converting enzyme gene polymorphism on neurohormonal responses to high- versus low-dose enalapril in advanced heart failure** *AMERICAN HEART JOURNAL*
Tang, W. H., Vagelos, R. H., Yee, Y. G., Fowler, M. B.
2004; 148 (5): 889-894
 - **Simultaneous assessment of fractional and coronary flow reserves in cardiac transplant recipients - Physiologic investigation for transplant arteriopathy (PITA study)** *CIRCULATION*
Fearon, W. F., Nakamura, M., Lee, D. P., Rezaee, M., Vagelos, R. H., Hunt, S. A., Fitzgerald, P. J., Yock, P. G., Yeung, A. C.
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 - **Physiologic interrogation of transplant arteriopathy: Final results** *52nd Annual Scientific Session of the American-College-of-Cardiology*
Fearon, W. F., Nakamura, M., Lee, D. P., Rezaee, M., Vagelos, R. H., Hunt, S. A., Fitzgerald, P. J., Yock, P. G., Yeung, A. C.
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 - **Physical activity patterns and exercise performance in cardiac transplant recipients.** *Journal of cardiopulmonary rehabilitation*
Myers, J., Gullestad, L., Bellin, D., Ross, H., Vagelos, R., Fowler, M.
2003; 23 (2): 100-106
 - **Physiologic interrogation of transplant arteriopathy** *American-Heart-Association Abstracts From Scientific Sessions*
Fearon, W. F., Nakamura, M., Lee, D. P., Rezaee, M., Vagelos, R. H., Hunt, S. A., Yock, P. G., Yeung, A. C.
LIPPINCOTT WILLIAMS & WILKINS.2002: 591-591
 - **Acute aortic syndrome: a case presentation and review of the literature** *VASCULAR MEDICINE*
Lissin, L. W., Vagelos, R.
2002; 7 (4): 281-287
 - **Early use of statins in acute coronary syndromes.** *Current cardiology reports*
Spin, J. M., Vagelos, R. H.
2002; 4 (4): 289-297
 - **Reversal of phen-fen associated valvular regurgitation documented by serial echocardiography** *JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY*
Vagelos, R., Jacobs, M., Popp, R. L., Liang, D.
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 - **Clinical assessment in ischaemic cardiomyopathy** *NUCLEAR MEDICINE COMMUNICATIONS*
Putz, E., Vagelos, R.

2002; 23 (4): 341-345

- **Reverse remodeling following long-term carvedilol therapy is associated with improvement in survival: The Stanford Carvedilol Echocardiographic Registry**
Tang, W. H., Larson, M. S., Vagelos, R. H., Prikazsky, L., Hu, B. S., Fowler, M. B.
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- **Alternative approach for use of a left ventricular assist device with a thrombosed prosthetic valve** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
Pelletier, M. P., CHANG, C. P., Vagelos, R., Robbins, R. C.
2002; 21 (3): 402-404
- **Neurohormonal and clinical responses to high- versus low-dose enalapril therapy in chronic heart failure** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Tang, W. H., Vagelos, R. H., Yee, Y. G., Benedict, C. R., Willson, K., Liss, C. L., Labelle, P., Fowler, M. B.
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- **Limited sensitivity of troponin I for detecting acute myocardial infarction six hours after chest pain onset: The CAMMI Study**
Lee, B. K., Heidenreich, P. A., Chun, S. H., Vagelos, R. H., Green, M., Sussman, H., Schreiber, D. H.
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- **Cardiopulmonary exercise testing and prognosis in severe heart failure: 14 mL/kg/min revisited** *AMERICAN HEART JOURNAL*
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- **Effect of high- versus low-dose angiotensin converting enzyme inhibition on cytokine levels in chronic heart failure** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
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- **Constrictive pericarditis due to coccidiomycosis** *ANNALS OF THORACIC SURGERY*
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1999; 68 (4): 1407-1409
- **Ventricular arrhythmia and dilated cardiomyopathy is linked to chromosome 2.**
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- **Relationship between tissue and circulating levels of angiotensin converting enzyme with high and low dose enalapril therapy in heart failure**
Fowler, M. B., Yee, Y. G., Vagelos, R. H., Willson, K., Prikazsky, L., Mullin, A., Waldman-Boucher, M.
LIPPINCOTT WILLIAMS & WILKINS.1998: 854–54
- **Case presentation and review: Constrictive pericarditis** *WESTERN JOURNAL OF MEDICINE*
Osterberg, L., Vagelos, R., Atwood, J. E.
1998; 169 (4): 232-239
- **Clinical, hemodynamic, and cardiopulmonary exercise test determinants of survival in patients referred for evaluation of heart failure** *ANNALS OF INTERNAL MEDICINE*
Myers, J., Gullestad, L., Vagelos, R., Do, D., Bellin, D., Ross, H., Fowler, M. B.
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- **Comparison of high versus low dose enalapril therapy on clinical outcomes and neuroendocrine activation in advanced heart failure**
Fowler, M. B., Vagelos, R. H., Schroeder, J. S., Benedict, C. R., Willson, K., Boucher, M., Mullin, A., Prikazsky, L. M., Liss, C. L., Labelle, P.
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- **Assessment of left ventricular wall motion abnormalities with the use of color kinesis: A valuable visual and training aid** *JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY*
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- **Volume-mediated pulmonary responses in liver transplant candidates** *CLINICAL TRANSPLANTATION*
Kuo, P. C., Schroeder, R. A., Vagelos, R. H., Valantine, H., Garcia, G., Alfrey, E. J., Haddow, G., Dafoe, D. C.
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- **Analysis of deaths in patients awaiting heart transplantation: Impact on patient selection criteria** *HEART*
Haywood, G. A., Rickenbacher, P. R., Trindade, P. T., Gullestad, L., Jiang, J. P., Schroeder, J. S., Vagelos, R., Oyer, P., Fowler, M. B.
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- **MAGNETIC-RESONANCE IMAGING-DERIVED PARAMETER OF PORTAL FLOW PREDICTS VOLUME-MEDIATED PULMONARY-HYPERTENSION IN LIVER-TRANSPLANTATION CANDIDATES** *52nd Annual Meeting of the Central-Surgical-Association*
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- **CARDIAC TRANSPLANTATION - THE STANFORD EXPERIENCE IN THE CYCLOSPORINE ERA** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Sarris, G. E., Moore, K. A., Schroeder, J. S., Hunt, S. A., Fowler, M. B., VALANTINE, H. B., Vagelos, R. H., Billingham, M. E., Oyer, P. E., Stinson, E. B., Reitz, B. A., Shumway, N. E.
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