Stanford



# Michael B. Fowler, MBBS, FRCP

Professor of Medicine (Cardiovascular), Emeritus

Medicine - Med/Cardiovascular Medicine

NIH Biosketch available Online  Curriculum Vitae available Online

### CONTACT INFORMATION

- **Alternate Contact**

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## Bio

### BIO

Dr. Michael Fowler is a Professor of Cardiovascular Medicine at Stanford Hospital & Clinics.

Dr. Fowler attended the Charing Cross Hospital Medical School, London, England. He has been elected to be a fellow in the Royal College of Physicians. He came to Stanford University on a British Heart Foundation, American Heart Association reciprocal fellowship award.

Dr. Fowler was appointed to the faculty in 1982. He is former Medical Director of the Heart Failure Program at Stanford University School of Medicine and Medical Director of the Stanford Cardiomyopathy Center.

Dr. Fowler has specialized in the treatment and research related to heart failure for over 35 years. He played an important role in the development of beta blocking drugs to treat heart failure and has also participated in most and the major studies that have led to our current comprehensive treatment for heart failure with drugs and devices. He is an expert in evaluating patients who may benefit from cardiac transplantation or mechanical support therapy.

### ACADEMIC APPOINTMENTS

- Emeritus Faculty-Med Ctr Line, Medicine - Med/Cardiovascular Medicine
- Member, Bio-X
- Member, Cardiovascular Institute

### ADMINISTRATIVE APPOINTMENTS

- Clinical Asst. Prof. of Medicine, Stanford University Medical Center, (1984-1986)
- Co-Director, Cardiac Advanced Therapies Clinic, Stanford University Medical Center, (1984-1991)
- Co-Director, Coronary Care Unit, Stanford University Medical Center, (1986-1991)

- Assistant Professor of Medicine, CardiovascularMedicine, Stanford University Medical Center, (1986-1993)
- Co-Director, Heart Failure Clinic, Stanford University Medical Center, (1991-2001)
- Director, Heart Failure Program, Stanford University Medical Center, (1991-2017)
- Assoc. Prof. of Medicine, CardiovascularMedicine, Stanford University Medical Center, (1993-1999)
- Professor of Medicine, CardiovascularMedicine, Stanford University Medical Center, (1999- present)
- Medical Director, CardiomyopathyCenter, Stanford University Medical Center, (2001- present)

### PROFESSIONAL EDUCATION

- Research Fellowship, Stanford University School of Medicine (1984)
- Fellowship, Kings College Hospital UK (1982)

### LINKS

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

## Research & Scholarship

### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Adrenergic nervous system; beta-adrenergic function in, heart failure; drugs in heart failure.

## Publications

### PUBLICATIONS

- **Short-term outcomes of en bloc combined heart and liver transplantation in the failing Fontan** *CLINICAL TRANSPLANTATION*
  Vaikunth, S. S., Concepcion, W., Daugherty, T., Fowler, M., Lutchman, G., Maeda, K., Rosenthal, D. N., Teuteberg, J., Woo, Y., Lui, G. K.
  2019; 33 (6)
- **Serial Cardiac FDG-PET for the Diagnosis and Therapeutic Guidance of Patients With Cardiac Sarcoidosis** *JOURNAL OF CARDIAC FAILURE*
  Ning, N., Guo, H., Iagaru, A., Mittra, E., Fowler, M., Witteles, R.
  2019; 25 (4): 307–11
- **Short-Term Outcomes of en bloc Combined Heart and Liver Transplantation in the Failing Fontan.** *Clinical transplantation*
  Vaikunth, S. S., Concepcion, W., Daugherty, T., Fowler, M., Lutchman, G., Maeda, K., Rosenthal, D. N., Teuteberg, J., Joseph Woo, Y., Lui, G. K.
  2019: e13540
- **Serial Cardiac FDG-PET for the Diagnosis and Therapeutic Guidance of Patients with Cardiac Sarcoidosis.** *Journal of cardiac failure*
  Ning, N., Guo, H. H., Iagaru, A., Mittra, E., Fowler, M., Witteles, R.
  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
- **SERIAL CARDIAC FDG-PET IN THE DIAGNOSIS AND THERAPEUTIC GUIDANCE OF PATIENTS WITH CARDIAC SARCOIDOSIS: A STANFORD EXPERIENCE**
  Ning, N., Guo, H. H., Jagaru, A., Mittra, E., Fowler, M., Witteles, R.
  ELSEVIER SCIENCE INC.2018: 1690
- **OUTCOME OF EN-BLOC COMBINED HEART AND LIVER TRANSPLANTATION IN THE ADULT FAILING FONTAN**
  Vaikunth, S., Concepcion, W., Daugherty, T., Fowler, M., Lutchman, G., Maeda, K., Rosenthal, D., Teuteberg, J., Woo, Y., Lui, G. K.
  ELSEVIER SCIENCE INC.2018: 539

- **An informatics-based approach to reducing heart failure all-cause readmissions: the Stanford heart failure dashboard.** *Journal of the American Medical Informatics Association*
  Banerjee, D., Thompson, C., Kell, C., Shetty, R., Vetteth, Y., Grossman, H., DiBiase, A., Fowler, M.
  2016

- **Dipeptidyl Peptidase 4 Inhibition Increases Myocardial Glucose Uptake in Nonischemic Cardiomyopathy** *JOURNAL OF CARDIAC FAILURE*
  Witteles, R. M., Keu, K. V., Quon, A., Tavana, H., Fowler, M. B.
  2012; 18 (10): 804-809

- **Chemotherapy-Associated Cardiotoxicity: How Often Does it Really Occur and How Can it Be Prevented?** *HEART FAILURE CLINICS*
  Witteles, R. M., Fowler, M. B., Telli, M. L.
  2011; 7 (3): 333-?

- **GENETIC DETERMINANTS OF DRAMATIC IMPROVEMENT IN LEFT VENTRICULAR FUNCTION IN PATIENTS WITH HEART FAILURE** *60th Annual Scientific Session and Expo of the American-College-of-Cardiology (ACC) / I2 Summit / ACCF/Herman K. Gold Young Investigator's Award in Molecular and Cellular Cardiology*
  Perez, M. V., Pavlovic, A., Wheeler, M. T., Dewey, F. E., Bernstein, D., Fowler, M. B., Robbins, R. C., Quertermous, T., Chan, K., Absher, D., Ho, M., Cretti, E., Southwick, et al
  ELSEVIER SCIENCE INC.2011: E2041–E2041

- **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

- **Rosiglitazone Increases Myocardial Glucose Metabolism in Insulin-Resistant Cardiomyopathy** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Kao, D. P., Witteles, R. M., Quon, A., Wu, J. C., Gambhir, S. S., Fowler, M. B.
  2010; 55 (9): 926-927

- **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

- **Hypertension, heart failure, and beta-adrenergic blocking drugs** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Fowler, M. B.
  2008; 52 (13): 1073-1075

- **Evaluation of Polymorphisms in Candidate Genes in the Dramatic Response to Pharmacologic Therapy of Heart Failure** *Basic Cardiovascular Sciences Conference*
  Wheeler, M. T., Pavlovic, A., Dewey, F., Perez, M., Absher, D., Ho, M. Y., Cretti, E., Southwick, A., Rosenthal, D. N., Bernstein, D., Myers, R. M., Heidenreich, P. A., Fowler, et al
  LIPPINCOTT WILLIAMS & WILKINS.2008: E64–E65

- **Overrepresentation of neuronal development pathways in heart failure patients who dramatically responded to pharmaceutical therapy** *12th Annual Scientific Meeting of the Heart-Failure-Society-of-America*
  Pavlovic, A., Perez, M., Absher, D., Wheeler, M., Ho, M., Dewey, R., Cretti, L., Southwick, A., Rosenthal, D., Bernstein, D., Myers, R. M., Heidenreich, P., Fowler, et al
  CHURCHILL LIVINGSTONE INC MEDICAL PUBLISHERS.2008: S41–S41

- **Insulin-resistant cardiomyopathy** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Witteles, R. M., Fowler, M. B.
  2008; 51 (2): 93-102

- **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

- **beta-blocker dosing in community-based treatment of heart failure** *AMERICAN HEART JOURNAL*
  Fowler, M. B., Lottes, S. R., Nelson, J. J., Lukas, M. A., Gilbert, E. M., Greenberg, B., Massie, B. M., Abraham, W. T., Franciosa, J. A.
  2007; 153 (6): 1029-1036

- **Comparison of outcomes and usefulness of carvedilol across a spectrum of left ventricular ejection fractions in patients with heart failure in clinical practice** *AMERICAN JOURNAL OF CARDIOLOGY*
  Massie, B. M., Nelson, J. J., Lukas, M. A., Greenberg, B., Fowler, M. B., Gilbert, E. M., Abraham, W. T., Lottes, S. R., Franciosa, J. A.
  2007; 99 (9): 1263-1268

- **Why do we need to prevent right ventricular pacing?** *Progress in cardiovascular nursing*
  Tsiperfal, A., Scheibly, K., Fowler, M. B., Chao, C.
  2007; 22 (2): 108-109

- **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

- **Tolerability, safety, and efficacy of beta-blockade in black patients with heart failure in the community setting: insights from a large prospective beta-blocker registry.** *Congestive heart failure (Greenwich, Conn.)*
  Abraham, W. T., Massie, B. M., Lukas, M. A., Lottes, S. R., Nelson, J. J., Fowler, M. B., Greenberg, B., Gilbert, E. M., Franciosa, J. A.
  2007; 13 (1): 16-21

- **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

- **Predictors of clinical outcomes in patients given carvedilol for heart failure** *AMERICAN JOURNAL OF CARDIOLOGY*
  Greenberg, B., Lottes, S. R., Nelson, J. J., Lukas, M. A., Fowler, M. B., Massie, B. M., Abraham, W. T., Gilbert, E. M., Franciosa, J. A.
  2006; 98 (11): 1480-1484

- **Heart failure in community practice: relationship to age and sex in a beta-blocker registry.** *Congestive heart failure (Greenwich, Conn.)*
  Franciosa, J. A., Nelson, J. J., Lukas, M. A., Lottes, S. R., Massie, B. M., Fowler, M. B., Greenberg, B., Gilbert, E. M., Abraham, W. T.
  2006; 12 (6): 317-323

- **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

- **The effect of carvedilol on mortality risk in heart failure patients with diabetes: results of a meta-analysis** *CURRENT MEDICAL RESEARCH AND OPINION*
  Bell, D. S., Lukas, M. A., Holdbrook, F. K., Fowler, M. B.
  2006; 22 (2): 287-296

- **Cardiomyopathy of insulin resistance.** *Heart failure clinics*
  Witteles, R. M., Fowler, M. B.
  2006; 2 (1): 13-23

- **Are beta-blockers needed in patients receiving spironolactone for severe chronic heart failure? An analysis of the COPERNICUS study** *AMERICAN HEART JOURNAL*
  Krum, H., Mohacsi, P., Katus, H. A., Tendera, M., Rouleau, J. L., Fowler, M. B., Coats, A. J., Roecker, E. B., Packer, M.

2006; 151 (1): 55-61

- **Evaluating the Cardiovascular Effects of the Thiazolidinediones and Their Place in the Management of Type 2 Diabetes in Relation to the Metabolic Syndrome** *METABOLIC SYNDROME AND RELATED DISORDERS*
  Drexler, A. J., Nesto, R. W., Abrahamson, M. J., Bakris, G., Bell, D., Brunzell, J., Dandona, P., Davidson, J., Fonseca, V., Fowler, M., Frye, R., Giles, T., Haffner, et al
  2005; 3 (2): 147-173

- **Impact of angiotenisin-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

- **Care management for low-risk patients with heart failure - A randomized, controlled trial** *ANNALS OF INTERNAL MEDICINE*
  DeBusk, R. F., Miller, N. H., Parker, K. M., Bandura, A., Kraemer, H. C., Cher, D. J., West, J. A., Fowler, M. B., Greenwald, G.
  2004; 141 (8): 606-613

- **beta-Blocker therapy for heart failure outside the clinical trial setting: Findings of a community-based registry** *AMERICAN HEART JOURNAL*
  Franciosa, J. A., Massie, B. M., Lukas, M. A., Nelson, J. J., Lottes, S., Abraham, W. T., Fowler, M., Gilbert, E. M., Greenberg, B.
  2004; 148 (4): 718-726

- **Prognostic impact of plasma N-terminal pro-brain natriuretic peptide in severe chronic congestive heart failure - A substudy of the carvedilol prospective randomized cumulative survival (COPERNICUS) trial** *CIRCULATION*
  Hartmann, F., Packer, M., COATS, A. J., Fowler, M. B., Krum, H., Mohacsi, P., Rouleau, J. L., Tendera, M., Castaigne, A., Anker, S. D., Amann-Zalan, I., Hoersch, S., Katus, et al
  2004; 110 (13): 1780-1786

- **Insulin resistance in idiopathic dilated cardiomyopathy - A possible etiologic link** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Witteles, R. M., Tang, W. H., Jamali, A. H., Chu, J. W., Reaven, G. M., Fowler, M. B.
  2004; 44 (1): 78-81

- **Carvedilol prospective randomized cumulative survival (COPERNICUS) trial: Carvedilol in severe heart failure** *AMERICAN JOURNAL OF CARDIOLOGY*
  Fowler, M. B.
  2004; 93 (9A): 35B-39B

- **Influence of pretreatment systolic blood pressure on the effect of carvedilol in patients with severe chronic heart failure - The Carvedilol Prospective Randomized Cumulative Survival (COPERNICUS) Study** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Rouleau, J. L., Roecker, E. B., Tendera, M., Mohacsi, P., Krum, H., Katus, H. A., Fowler, M. B., COATS, A. J., Castaigne, A., Scherhag, A., Holcslaw, T. L., Packer, M.
  2004; 43 (8): 1423-1429

- **NT-proBNP in severe chronic heart failure: rationale, design and preliminary results of the COPERNICUS NT-proBNP substudy** *EUROPEAN JOURNAL OF HEART FAILURE*
  Hartmann, F., Packer, M., COATS, A. J., Fowler, M. B., Krum, H., Mohacsi, P., Rouleau, J. L., Tendera, M., Castaigne, A., Trawinski, J., Amann-Zalan, I., Hoersch, S., Katus, et al
  2004; 6 (3): 343-350

- **How does myocardial inducible nitric oxide synthase gene expression relate to heart failure severity and to subsequent left ventricular reverse remodeling in patients with chronic heart failure?** *53rd Annual Scientific Session of the American-College-of-Cardiology*
  Tang, W. H., LOPEZ, F., Yee, Y. G., Mullin, A., Zhang, Y., Fowler, M. B.
  ELSEVIER SCIENCE INC.2004: 155A–155A

- **Influence of carvedilol therapy on myocardial expression of inducible nitric oxide synthase (NOS2) and the contractile response to beta-adrenergic inotropic stimulation in patients with dilated cardiomyopathy** *76th Annual Scientific Session of the American-Heart-Association*
  Tang, W. H., LOPEZ, F., Lo, S. T., Yee, Y. G., Mullin, A., Zhang, Y., Fowler, M. B.
  LIPPINCOTT WILLIAMS & WILKINS.2003: 412–12

- **Novel role for the potent endogenous inotrope apelin in human cardiac dysfunction** *CIRCULATION*

Chen, M. M., Ashley, E. A., Deng, D. X., Tsalenko, A., Deng, A., Tabibiazar, R., Ben-Dor, A., Fenster, B., Yang, E., King, J. Y., Fowler, M., Robbins, R., Johnson, et al
2003; 108 (12): 1432-1439

- **Reduced myocardial brain natriuretic peptide expression and collagen deposition following ventricular assist device support for heart failure** *52nd Annual Scientific Session of the American-College-of-Cardiology*
  Fenster, B. E., Fowler, M. B., Yee, Y. G., Connolly, A., Tsao, P. S.
  ELSEVIER SCIENCE INC.2003: 165A–165A

- **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

- **Effects of initiating carvedilol in patients with severe chronic heart failure - Results from the COPERNICUS study** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
  Krum, H., Roecker, E. B., Mohacsi, P., Rouleau, J. L., Tendera, M., COATS, A. J., Katus, H. A., Fowler, M. B., Packer, M.
  2003; 289 (6): 712-718

- **Effect of carvedilol on the morbidity of patients with severe chronic heart failure - Results of the Carvedilol Prospective Randomized Cumulative Survival (COPERNICUS) study** *CIRCULATION*
  Packer, M., Fowler, M. B., Roecker, E. B., COATS, A. J., Katus, H. A., Krum, H., Mohacsi, P., Rouleau, J. L., Tendera, M., Staiger, C., Holcslaw, T., Amann-Zalan, I., DeMets, et al
  2002; 106 (17): 2194-2199

- **High prevalence of impaired glucose metabolism in patients with idiopathic dilated cardiomyopathy**
  Jamali, A. H., Witteles, R. M., Tang, W. H., Chu, J. W., Reaven, G. M., Fowler, M. B.
  ELSEVIER SCIENCE INC.2002: 181A–181A

- **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.
  ELSEVIER SCIENCE INC.2002: 141A–141A

- **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.
  2002; 39 (1): 70-78

- **Beta-adrenergic blocking drugs in severe heart failure.** *Reviews in cardiovascular medicine*
  Fowler, M.
  2002; 3: S20-6

- **Coreg (R) Heart Failure Registry (COHERE): Characteristics of participating physicians, their patients, and dose-titration experience.**
  Franciosa, J. A., Abraham, W. T., Fowler, M. B., Gilbert, E. M., Greenberg, B. H., Massie, B. M., Lukas, M. A., Nelson, J. J.
  LIPPINCOTT WILLIAMS & WILKINS.2001: 801–

- **Effect of carvedilol on frequency and severity of hospitalization in severe chronic heart failure: Results of the COPERNICUS study**
  Fowler, M. B., O'Connor, C. M., Carson, P., Tendera, M., Katus, H. A., Krum, H., Mohacsi, P., Coats, A. J., Rouleau, J. L., Roecker, E. B., Amann-Zalan, I., Holsclaw, T., Packer, et al
  LIPPINCOTT WILLIAMS & WILKINS.2001: 753–54

- **Nuggets, pearls, and vignettes of master heart failure clinicians. Part 1--the medical history.** *Congestive heart failure (Greenwich, Conn.)*
  Leier, C. V., Silver, M. A., Massie, B. M., Young, J. B., Fowler, M. B., Ventura, H. O., Hershberger, R. E.
  2001; 7 (5): 245-249

- **Effect of carvedilol on survival in severe chronic heart failure.** *NEW ENGLAND JOURNAL OF MEDICINE*
  Packer, M., COATS, A. J., Fowler, M. B., Katus, H. A., Krum, H., Mohacsi, P., Rouleau, J. L., Tendera, M., Castaigne, A., Roecker, E. B., Schultz, M. K., DeMets, D. L.
  2001; 344 (22): 1651-1658

- **Race and the response to adrenergic blockade with carvedilol in patients with chronic heart failure.** *NEW ENGLAND JOURNAL OF MEDICINE*

Yancy, C. W., Fowler, M. B., Colucci, W. S., Gilbert, E. M., Bristow, M. R., Cohn, J. N., Lukas, M. A., Young, S. T., Packer, M.
2001; 344 (18): 1358-1365

- **Influence of carvedilol on hospitalizations in heart failure: incidence, resource utilization and costs. U.S. Carvedilol Heart Failure Study Group.** *Journal of the American College of Cardiology*
  Fowler, M. B., Vera-Llonch, M., Oster, G., Bristow, M. R., Cohn, J. N., Colucci, W. S., Gilbert, E. M., Lukas, M. A., Lacey, M. J., Richner, R., Young, S. T., Packer, M.
  2001; 37 (6): 1692-1699

- **Influence of carvedilol on hospitalizations in heart failure: Incidence, resource utilization and costs** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Fowler, M. B., Vera-Llonch, N., Oster, G., Bristow, M. R., Cohn, J. N., Colucci, W. S., Gilbert, E. M., Lukas, M. A., Lacey, M. J., Richner, R., Young, S. T., Packer, M.
  2001; 37 (6): 1692-1699

- **The role of angiotensin receptor blockers in the management of chronic heart failure** *ARCHIVES OF INTERNAL MEDICINE*
  Jamali, A. H., Tang, W. H., Khot, U. N., Fowler, M. B.
  2001; 161 (5): 667-672

- **Rationale, design, and methods for a Coreg (Carvedilol) heart failure registry (COHERE)** *JOURNAL OF CARDIAC FAILURE*
  Franciosa, J. A., Abraham, W. T., Fowler, M., Gilbert, E. M., Greenberg, B., Massie, B. M., Chen, T., Lukas, M. A., Nelson, J. J.
  2000; 6 (3): 264-271

- **Baseline clinical parameters do not predict left ventricular ejection fraction improvement**
  Tang, W. H., Khot, U. N., Larson, M. S., Prikazsky, L., Hu, B. S., Tan, J. L., Fowler, M. B.
  ELSEVIER SCIENCE INC.2000: 207A–207A

- **Cardiopulmonary exercise testing and prognosis in severe heart failure: 14 mL/kg/min revisited** *AMERICAN HEART JOURNAL*
  Myers, J., Gullestad, L., Vagelos, R., Do, D., Bellin, D., Ross, H., Fowler, M. B.
  2000; 139 (1): 78-84

- **Effect of high- versus low-dose angiotensin converting enzyme inhibition on cytokine levels in chronic heart failure** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Gullestad, L., Aukrust, P., Ueland, T., Espevik, T., Yee, G., Vagelos, R., Froland, S. S., Fowler, M.
  1999; 34 (7): 2061-2067

- **A genetic locus for ventricular arrhythmia and dilated cardiomyopathy on chromosome 2**
  Dreher, D., Zhu, X. L., Hoang, K. L., Tan, J. L., Vagelos, R. H., Hunt, S. A., Fowler, M. B., McNally, E. M.
  LIPPINCOTT WILLIAMS & WILKINS.1999: 217–17

- **Ventricular arrhythmia and dilated cardiomyopathy is linked to chromosome 2.**
  Zhu, X., Dreher, D., Hoang, K., Tan, J., Hunt, S., Vagelos, R. H., Fowler, M., McNally, E. M.
  CELL PRESS.1999: A455–A455

- **The influence of beta-adrenergic blocking drugs on morbidity and mortality in heart failure** *JOURNAL OF CARDIOVASCULAR RISK*
  Fowler, M. B.
  1999; 6 (3): 141-144

- **Cost effectiveness of carvedilol for heart failure** *AMERICAN JOURNAL OF CARDIOLOGY*
  Delea, T. E., Vera-Llonch, M., Richner, R. E., Fowler, M. B., Oster, G.
  1999; 83 (6): 890-896

- **Spontaneous postpartum coronary dissection** *CIRCULATION*
  Lee, F. H., Yeung, A. C., Fowler, M. B., Fitzgerald, P. J.
  1999; 99 (5): 721-721

- **beta-blockers in heart failure - Do they improve the quality as well as the quantity of life?** *Satellite Symposium on Health Economics and Quality of Life Issues in Heart Failure, at the XIXth Congress of the European-Society-of-Cardiology*
  Fowler, M. B.
  OXFORD UNIV PRESS.1998: P17–P25

- **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.
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