

## CURRICULUM VITAE

### **Milton Packer, M.D.**

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(b) (6)

### EDUCATION

(b) (6)

- 1968-1969 Pennsylvania State University, State College, Pennsylvania  
B.S. degree (1971) with highest distinction.
- 1969-1973 Jefferson Medical College, Philadelphia, Pennsylvania  
M.D. degree (1973), summa cum laude, first in class.
- 1973-1974 Intern, Internal Medicine, Bronx Municipal Hospital Center,  
Albert Einstein College of Medicine, Bronx, New York.
- 1974-1975 Junior Resident, Internal Medicine, Bronx Municipal Hospital  
Center, Albert Einstein College of Medicine, Bronx, New York.
- 1975-1976 Senior Resident, Internal Medicine, Bronx Municipal Hospital  
Center, Albert Einstein College of Medicine, Bronx, New York.
- 1976-1977 Fellow in Cardiology, Mount Sinai School of Medicine,  
New York, New York
- 1977-1978 Kriendler-Berns Foundation Fellow in Cardiology, Mount Sinai  
School of Medicine, New York, New York

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### ACADEMIC APPOINTMENTS

- 1978-1979 Instructor in Medicine (Cardiology and Clinical Pharmacology),  
The Mount Sinai School of Medicine, New York, New York.
- 1979-1983 Assistant Professor of Medicine (Cardiology and Clinical Pharmacology),  
The Mount Sinai School of Medicine, New York, New York.
- 1983-1988 Associate Professor of Medicine (Cardiology and Clinical Pharmacology),  
The Mount Sinai School of Medicine, New York, New York.
- 1988-1992 Professor of Medicine (Cardiology),  
The Mount Sinai School of Medicine, New York, New York.
- 1992-2004 Dickinson W. Richards Jr. Professor of Medicine and of Pharmacology  
(with tenure), Columbia University College of Physicians & Surgeons, New York, NY
- 2004-2015 The Gayle and Paul Stoffel Distinguished Chair in Cardiology  
Professor of Clinical Sciences (with tenure), University of Texas  
Southwestern Medical School, Dallas, Texas
- 2015- Distinguished Scholar in Cardiovascular Science, Baylor University Medical  
Center, Dallas, Texas

### HOSPITAL APPOINTMENTS

- 1978-1983 Assistant Attending Physician, The Mount Sinai Hospital, New York, New  
York and the Bronx Veterans' Administration Hospital, Bronx, New York.
- 1983-1988 Associate Attending Physician, The Mount Sinai Hospital, New York, New  
York and the Bronx Veterans' Administration Hospital, Bronx, New York.
- 1988-1992 Attending Physician, The Mount Sinai Hospital, New York, New York  
and the Bronx Veterans' Administration Hospital, Bronx, New York.
- 1992-2004 Attending Physician, Presbyterian Hospital, Columbia-Presbyterian  
Medical Center, New York, New York.

### ADMINISTRATIVE APPOINTMENTS

- 1978-1988 Director, Ames and Rose Coronary Care Units,  
The Mount Sinai Medical Center, New York, New York.
- 1983-1992 Director, Cardiovascular Training Program,  
The Mount Sinai Medical Center, New York, New York
- 1992-2004 Chief, Division of Circulatory Physiology and Director, Heart Failure Center  
Columbia-Presbyterian Medical Center, New York, New York
- 2004-2006 Director, Center for Biostatistics and Clinical Sciences  
University of Texas Southwestern Medical School, Dallas, Texas
- 2007-2012 Principal Investigator, NIH Clinical and Translational Science Award,  
University of Texas Southwestern Medical School, Dallas, Texas

2006-2015      Chair, Department of Clinical Sciences  
University of Texas Southwestern Medical School, Dallas, Texas

#### BOARD CERTIFICATIONS

Diplomate, National Board of Medical Examiners, 1975  
Diplomate, American Board of Internal Medicine, 1976  
Diplomate, American Board of Internal Medicine,  
Subspecialty in Cardiovascular Diseases, 1979

#### AWARDS AND HONORS

##### *Medical School*

Eben J. Carey Memorial Award in Anatomy, Jefferson Medical College, 1970  
Francis W. Shain Physiology Prize, Jefferson Medical College, 1970  
Lange Medical Publications Prize, Jefferson Medical College, 1970  
Melvin I. Katzman Pathology Prize, Jefferson Medical College, 1971  
Alpha Omega Alpha, (vice-president), Jefferson Medical College, 1972  
Edmund J. Laurelli Obstetrics and Gynecology Prize, Jefferson, 1972  
Lange Medical Publications Prize, Jefferson Medical College, 1972  
Hobart Amory Hare Honor Society, Jefferson Medical College, 1972  
Henry Keller Mohler Memorial Prize for Therapeutics, Jefferson, 1972  
Henry M. Phillips Prize for Surgery, Jefferson Medical College, 1973  
William Potter Memorial Prize, Jefferson Medical College, 1973  
The Alumni Scholastic Medal, Jefferson Medical College, 1973

##### *Postgraduate Awards*

Solomon A. Berson Award for Excellence in House Staff Teaching,  
Department of Medicine, Mount Sinai School of Medicine, 1983  
Research Career Development Award, National Heart, Blood and Lung Institute,  
The National Institutes of Health, 1984-1989  
Simon Dack Award for Excellence in Teaching of Cardiovascular Medicine,  
Division of Cardiology, Mount Sinai School of Medicine, 1988  
Irving Clinical Research Scholar, Columbia University,  
College of Physicians and Surgeons, New York, New York, 1992-1995  
Henry Christian Award for Excellence in Clinical Research, American Federation  
for Clinical Research, Washington, D.C., 1993  
Lewis Katz Lifetime Achievement Award in Cardiovascular Research,  
Columbia University College of Physicians and Surgeons, 2010

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### AWARDS AND HONORS (CONTINUED)

#### *Named Lectureships*

- David Scherf Memorial Lectureship, New York Medical College,  
Lenox Hill Hospital, New York, New York, May 3, 1985
- John Hammond Memorial Lecture, St. Louis University,  
St. John's Mercy Medical Center, St. Louis, Missouri, November 26, 1985
- Amon G. Carter Visiting Professorship, Southwestern Medical School,  
University of Texas Health Sciences Center at Dallas, May 26-27, 1988
- Edward W. Dennis, M.D. Memorial Lecturer, Baylor Medical School,  
Ben Taub Hospital, Houston, Texas, June 8, 1989
- The Royal RHL Lecture, Swedish Society of Cardiology,  
Stockholm, Sweden, November 27, 1989
- Osler Award for Excellence in Cardiovascular Teaching,  
University of Miami School of Medicine, May 25, 1991
- Ira Pores Memorial Lecture in Cardiology, Beth Israel Hospital  
Newark, New Jersey, May 30, 1991
- Understien Memorial Lecture, George Washington University,  
Washington, D.C., May 13, 1992
- Carl J. Wiggers Memorial Lecture, Cleveland American Heart  
Association Affiliate, Cleveland, Ohio, March 4, 1993
- Donald Zucker Visiting Professor, Cornell University Medical Center,  
New York, New York, April 14, 1994
- Helen M. Dalsheimer Lectureship, Sinai Hospital (Johns Hopkins),  
Baltimore, Maryland, May 19, 1994
- Kenneth Rosen Visting Professor, University of Illinois,  
Chicago, Illinois, December 1, 1994
- Newton H. Stern Visting Professor, University of Tennessee,  
Memphis, Tennessee, May 26, 1994
- Louis F. Bishop Lectureship, American College of Cardiology,  
New Orleans, Louisiana, March 22, 1995
- O. J. Tauber Lectureship, Texas Heart Institute,  
Houston, Texas, September 6, 1995
- State-of-the-Art Lecturer, Canadian Cardiovascular Society,  
Toronto, Canada, October 25, 1995
- James Alexander Visiting Professor, Baylor University,  
Houston, Texas, June 24-25, 1996
- First New York Cardiac Center Lecturer, New York Cardiological  
Society, New York, New York, February 11, 1997
- Many additional awards, honors and visting professorships since 1997

## **Milton Packer, M.D.**

### LICENSURE

New York

Texas

### SOCIETIES

Alpha Omega Alpha

Member, American Federation for Clinical Research

Fellow, American College of Cardiology

Member, Council on Clinical Cardiology, American Heart Association

Member, Association of University Cardiologists

Member, American Society for Clinical Investigation

President, Heart Failure Society of America (2000-2002)

### EDITORIAL BOARDS (CURRENT OR FORMER)

Journal of the American College of Cardiology

Circulation (editorial board)

Circulation, Global Advisory Editor

American Journal of Cardiology

Heart Failure

Geriatric Cardiovascular Medicine

Archives Internationales de Pharmacodynamie et de Therapie

Cardiovascular Drugs and Therapy

Practical Cardiology

Clinical Cardiology

Drug Investigation

Drugs and Therapy Perspectives

Congestive Heart Failure

Journal of Cardiac Failure

American Journal of Medicine

European Journal of Heart Failure

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STUDY SECTIONS

Study Section, Specialized Centers of Research, Cardiology Branch,  
National Heart, Lung and Blood Institute, Cardiology Branch, 1989-1990

Study Section for Medical Student Clinical Research, Howard Hughes Medical  
Institute, 2006-2009

NATIONAL INSTITUTES OF HEALTH (NIH) COMMITTEES

Task Force on Heart Failure Research, Clinical Trials Branch,  
National Institutes of Health, 1983

Chairman, Review Committee, National Heart Failure Intervention Trial,  
Studies of Left Ventricular Dysfunction (SOLVD), Clinical Trials Branch,  
National Institutes of Health, 1985

Data and Safety Monitoring Board, National Heart Failure Intervention Trial,  
Studies of Left Ventricular Dysfunction (SOLVD), Clinical Trials Branch,  
National Institutes of Health, 1985-1991

Protocol Review Committee, Clinical Evaluation of the Implantable Novacor  
Left Ventricular Assist System, NHLBI, 1991-1992

Chair, Data and Safety Monitoring Board, Sudden Cardiac Death in Heart Failure  
(SCD-HeFT), NHLBI, 1998-2002

Chair, Operations Committee, Evaluation of Mechanical Assistance in Heart Failure  
(REMATCH, 1997-2002)

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**RESEARCH GRANTS (PEER-REVIEW)**

NATIONAL INSTITUTES OF HEALTH

*Principal Investigator*

Young Investigator's Award, National Institutes of Health,  
(1 R23 HL-25055), 1980-1983

Research Grant, Determinants of Vasodilator Response in Heart Failure,  
National Institutes of Health, (1 R01 HL-25055), 1983-1988

Research Career Development Award, National Institutes of Health,  
(1 K04 HL-01229), 1984-1989

Research Grant, Determinants of Vasodilator Response in Heart Failure,  
National Institutes of Health, (2 R01 HL-25055), 1988-1993

Multidisciplinary Clinical Research Career Development Award, National  
Institutes of Health (trans-NIH K12), 2005-2010

Clinical and Translational Science Award (CTSA), National Institutes of  
Health, 2007-2012

*Co-Investigator*

Cardiovascular Research Training Grant, T32 HL-07347,  
National Institutes of Health, 1983-1988

General Clinical Research Center Grant, M01 RR-00071,  
National Institutes of Health, 1991-1995; 1996-2001

Co-Investigator and Director of Operations, Randomized Evaluation of  
Mechanical Assistance in Heart Failure (REMATCH), 1997-2002

Co-Investigator and PI of Core 5, UT Southwestern Population-based Research  
Optimizing Screening through Personalized Regimens (PROSPR) (U54). 2013-2015

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### NATIONAL MULTICENTER TRIAL STEERING COMMITTEES

Executive Committee, Vasodilator Therapy Post-Myocardial Infarction, Survival and Ventricular Enlargement (SAVE), 1986-1992

Chairman, Mortality/Endpoint Committee, Vasodilator Therapy Post-Myocardial Infarction, Survival and Ventricular Enlargement (SAVE), 1986-1992

Principal Investigator and Chair, Steering Committee, Multicenter Study of the Effect of Flosequinan in Heart Failure (REFLECT), 1987-1989

Principal Investigator and Chair, Steering Committee, Multicenter Study of the Effect of Amlodipine in Heart Failure, 1987-1989

Principal Investigator and Chair, Steering Committee, Prospective Randomized Milrinone Survival Evaluation (PROMISE), 1988-1990

Chair, Steering Committee, Multicenter Study of Digoxin in Heart Failure Treated with Converting-Enzyme Inhibitors (RADIANCE), 1989-1992

Member, Data and Safety Monitoring Board, Arrhythmia Heart Failure Survival Trial, Veterans Administration (CSP 320), 1989-1993

Principal Investigator and Chair, Executive Committee, Prospective Randomized Flosequinan Longevity Evaluation (PROFILE), 1991-1994

Principal Investigator and Chairman, Steering Committee, Effect of Amlodipine on Morbidity and Mortality in Heart Failure (PRAISE), 1992-1995

Principal Investigator and Chairman, Steering Committee, Assessment of Treatment with Lisinopril on Survival in Heart Failure (ATLAS), 1993-1997

Principal Investigator and Chairman, Steering Committee, Multicenter Study of Effect of Carvedilol in Heart Failure (PRECISE), 1993-1995

Principal Investigator and Chairman, Steering Committee, Effect of Amlodipine Mortality in Heart Failure (PRAISE 2), 1996-1999

Principal Investigator and Chairman, Steering Committee, Effect of Carvedilol on Mortality in Heart Failure (COPERNICUS), 1997-2002

Member, Data and Safety Monitoring Board, Comparison of Carvedilol and Metoprolol on Survival in Heart Failure (COMET), 1996-1998

Member, Data and Safety Monitoring Board, Effect of Angiotensin II Receptor Blockade and Beta-Blockade in Heart Failure (RESOLVD), 1996-1999

Principal Investigator and Chairman, Steering Committee, Effect of Bosentan on Clinical Status in Heart Failure (REACH-1), 1997-2003

Member, Steering Committee, VA Study on the Effect of Anticoagulation on Clinical Events in Heart Failure (WATCH), 1997-1999



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NATIONAL MULTICENTER TRIAL STEERING COMMITTEES (CONTINUED)

Principal Investigator and Chairman, Steering Committee, Effect of Bosentan on Morbidity and Mortality in Heart Failure (ENABLE), 1999-2001

Principal Investigator and Chairman, Steering Committee, Effect of Omapatrilat on Morbidity and Mortality in Heart Failure (OVERTURE), 1999-2002

Chairman, Steering Committee, Effect of Etanercept on Morbidity and Mortality in Heart Failure (RENEWAL), 1999-2002

Principal Investigator and Chairman, Steering Committee, Effect of Levosimendan in Patients with Decompensated Heart Failure (REVIVE I and II), 2001-2006

Member, Steering Committee, Effect of Spironolactone in Patients with Heart Failure and Preserved Systolic Function (TOPCAT), 2006-2013

Co-Principal Investigator and Co-Chair, Executive Committee, Effect of LCZ69 in Chronic Heart Failure (Reduced Ejection Fraction) (PARADIGM-HF), 2009-2014

Member, Steering Committee,, Effect of LCZ69 in Chronic Heart Failure (Preserved Ejection Fraction) (PARAGON-HF), 2013-

Principal Investigator and Chairman, Executive Committee, Effect of Ularitide in Acutely Decompensated Heart Failure (TRUE-AHF), 2013-

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### FOOD AND DRUG ADMINISTRATION

Member, Cardiac and Renal Drugs Advisory Committee, Center for Drug Evaluation and Research, Food and Drug Administration, Rockville, Maryland, 1986-1992

Consultant, Division of Cardiac and Renal Drug Products, Center for Drug Evaluation and Research, Food and Drug Administration, Rockville, Maryland, 1987-1995

Chairman, Cardiac and Renal Drugs Advisory Committee, Center for Drug Evaluation and Research, Food and Drug Administration, Rockville, Maryland, 1997-2001

Consultant, Division of Cardiac and Renal Drug Products, Center for Drug Evaluation and Research, Food and Drug Administration, Rockville, Maryland, 2001-present

Member, Cardiac and Renal Drugs Advisory Committee, Center for Drug Evaluation and Research, Food and Drug Administration, Rockville, Maryland, 2016-

### PUBLIC POLICY TASK FORCES

Consultant, RAND/AHCPR Guideline on Heart Failure: Outpatient Management of Patients with Left Ventricular Systolic Dysfunction

Task Force on Development of New Research Directions in Heart Failure, National Institutes of Health, NHLBI, 1998 and 2016

### AMERICAN HEART ASSOCIATION/ AMERICAN COLLEGE OF CARDIOLOGY

Chairman (1990-1993) and Vice-Chairman (1987-1990),  
Postgraduate Education Committee, Council on Clinical Cardiology,  
American Heart Association, 1987-1993

Program Committee, Council on Clinical Cardiology, 1988-1991

Executive Committee, ACC Scientific Sessions, 1990-1994

ACC/AHA Joint Committee on Cardiovascular Drugs, 1991-1994

Nominating Committee, Council on Clinical Cardiology, AHA 1991-1994

Member, Task Force on the Management of Heart Failure, ACC/AHA Task Force on Assessment of Diagnostic and Therapeutic Cardiovascular Procedures, 1992-1995

Member, ACC/AHA Committee to Revise the 1995 Heart Failure Guidelines, 1999-2001

### HEALTH CARE FINANCE ADMINISTRATION

Consultant on Heart Failure Programs, 1999-2001

### HEART FAILURE SOCIETY OF AMERICA

Founding member, 1996

Member, Executive Committee, 1996-2004

Secretary, 1996-1998

Vice-President, 1998-2000

President, 2000-2002

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ORIGINAL ARTICLES (PEER-REVIEWED) OF 318 PAPERS

1. Packer M, Meller J, Gorlin R, Herman MV. Clinical and hemodynamic tachyphylaxis to prazosin mediated afterload reduction in severe congestive heart failure. *Circulation* 1979; 59: 531-539.
2. Wiener I, Meller J, Packer M, Herman MV, Teichholz LE. Prognostic value of septal function in acute anteroseptal myocardial infarction — an echocardiographic study. *Am Heart J* 1979; 47: 726-732.
3. Packer M, Meller J, Gorlin R, Herman MV. Differences in the hemodynamic effects of nitroprusside and prazosin in severe chronic congestive heart failure. Evidence for a direct negative chronotropic effect of prazosin. *Am J Cardiol* 1979; 44: 310-317.
4. Packer M, Meller J, Medina N, Gorlin R, Herman MV. Rebound hemodynamic events after the abrupt withdrawal of nitroprusside in patients with severe chronic heart failure. *N Engl J Med* 1979; 301: 1193-1197.
5. Packer M, Meller J, Medina N, Gorlin R, Herman MV. Hemodynamic evaluation of hydralazine dosage in refractory heart failure. *Clin Pharmacol Ther* 1980; 27: 337-346.
6. Packer M, Meller J, Medina N, Gorlin R, Herman MV. Dose requirements of hydralazine in patients with severe chronic congestive heart failure. *Am J Cardiol* 1980; 45: 655-659.
7. Packer M, Meller J, Medina N, Gorlin R, Herman MV. Importance of left ventricular chamber size in determining the response to hydralazine in severe chronic heart failure. *N Engl J Med* 1980; 303: 250-255.
8. Urquhart J, Patterson RE, Packer M, Goldsmith SJ, Horowitz SF, Gorlin R. Quantification of valvular regurgitation before and after valve replacement surgery. *Am J Cardiol* 1981; 47: 287-291.
9. Wiener I, Kunkes S, Rubin D, Kupersmith J, Packer M, Pitchon R, Schweitzer P. Effect of sudden changes in cycle length on human atrial, AV nodal, and ventricular refractory periods. *Circulation* 1981; 64: 245-248.
10. Packer M, Meller J, Medina N, Yushak M, Gorlin R. Determinants of drug response in severe chronic heart failure. I. Activation of vasoconstrictor forces during vasodilator therapy. *Circulation* 1981; 64: 506-514.
11. Packer M, Meller J, Medina N, Yushak M. Sustained effectiveness of minoxidil in heart failure after development of tolerance to other vasodilator drugs. *Am J Cardiol* 1981; 48: 375-379.
12. Packer M, Meller J, Medina N, Yushak M, Gorlin R. Provocation of myocardial ischemic events during initiation of vasodilator therapy for severe chronic heart failure. Clinical and hemodynamic evaluation of 52 consecutive patients with ischemic cardiomyopathy. *Am J Cardiol* 1981; 48: 939-946.

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ORIGINAL ARTICLES (PEER-REVIEWED)

13. Packer M, Meller J, Medina N, Yushak M, Gorlin R. Hemodynamic characterization of tolerance to long-term hydralazine therapy in severe chronic heart failure. *N Engl J Med* 1982; 306: 57-62.
14. Packer M, Meller J, Medina N, Yushak M, Smith H, Holt J, Guererro J, Todd GD, McAllister RG Jr, Gorlin R. Hemodynamic consequences of combined beta adrenergic and slow channel blockade in man. *Circulation* 1982; 65: 660-668.
15. Packer M, Greenberg B, Massie B, Dash H. Deleterious effects of hydralazine in patients with pulmonary hypertension. *N Engl J Med* 1982; 306: 1326-1331.
16. Packer M, Gorlin R, Medina N, Meller J. Central hemodynamic effects of intravenous and oral dipyridamole in patients with severe heart failure: preliminary evaluation and comparison with hydralazine. *Clin Pharmacol Ther* 1982; 32: 54-61.
17. Frishman W, Kirsten E, Klein M, Pine M, Johnson SM, Hillis LD, Packer M, Kates R. Clinical relevance of verapamil plasma levels in patients with stable angina pectoris. *Am J Cardiol* 1982; 50: 1180-1184.
18. Scheidt S, Frishman WH, Packer M, Mehta J, Parodi O, Bala Subramanian V. Long-term effectiveness of verapamil in stable and unstable angina pectoris. One-year follow-up of patients treated in placebo-controlled double-blind randomized clinical trials. *Am J Cardiol* 1982; 50: 1185-1190.
19. Packer M, Meller J, Medina N, Yushak M, Gorlin R. Quantitative differences in the hemodynamic effects of captopril and nitroprusside in severe chronic heart failure. *Am J Cardiol* 1983; 51: 183-188.
20. Massie BM, Packer M, Hanlon JT, Coombs DT. Hemodynamic responses to combined therapy with captopril and hydralazine in patients with severe heart failure. *J Am Coll Cardiol* 1983; 2: 338-344.
21. Packer M, Medina N, Yushak M, Meller J. Hemodynamic patterns of response during long-term captopril therapy for severe chronic heart failure. *Circulation* 1983; 68: 803-812.
22. Dzau VJ, Packer M, Lilly LS, Swartz SL, Hollenberg NK, Williams GH. Prostaglandins in severe heart failure: Relation to activation of the renin angiotensin system and hyponatremia. *N Engl J Med* 1984; 310: 347-352.
23. Goldman ME, Packer M, Horowitz SF, Meller J, Patterson RE, Kukin M, Gorlin R. Relationship between exercise-induced changes in ejection fraction and systolic loading conditions at rest in aortic regurgitation. *J Am Coll Cardiol* 1984; 3: 924-929.
24. Packer M, Medina N, Yushak M. Relationship between serum sodium concentration and the hemodynamic and clinical responses to converting-enzyme inhibition with captopril in severe heart failure. *J Am Coll Cardiol* 1984; 3: 1035-1043.

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ORIGINAL ARTICLES (PEER-REVIEWED)

25. Packer M, Medina M, Yushak M. Correction of dilutional hyponatremia in patients with severe chronic heart failure by converting-enzyme inhibition. *Ann Intern Med* 1984; 100: 782-789.
26. Packer M, Medina N, Yushak M, Wiener I. Detrimental effects of verapamil in patients with primary pulmonary hypertension. *Br Heart J* 1984; 52: 106-111.
27. Packer M, Medina M, Yushak M. Efficacy of captopril in low-renin congestive heart failure. Importance of sustained reactive hyperreninemia in distinguishing responders from nonresponders. *Am J Cardiol* 1984; 54: 771-777.
28. Packer M, Medina N, Medina M. Adverse hemodynamic and clinical effects of calcium channel blockade in pulmonary hypertension secondary to obliterative pulmonary vascular disease. *J Am Coll Cardiol* 1984; 4: 890-901.
29. Packer M, Medina N, Yushak M. Failure of low doses of amrinone to produce sustained hemodynamic improvement in patients with severe chronic congestive heart failure. *Am J Cardiol* 1984; 54: 1025-1029.
30. Packer M, Medina N, Yushak M. Hemodynamic and clinical limitations of long term inotropic therapy with amrinone in patients with severe chronic heart failure. *Circulation* 1984; 70: 1038-1047.
31. Packer M, Medina N, Yushak M. Hemodynamic changes mimicking a vasodilator drug response in the absence of drug therapy after right heart catheterization in patients with chronic heart failure. *Circulation* 1985; 71: 761-766.
32. Massie B, Bourassa M, DiBianco R, Hess M, Konstam M, Krebs C, Likoff M, Packer M, for the Amrinone Multicenter Study Group. Long-term oral amrinone for congestive heart failure: lack of efficacy in a multicenter controlled trial. *Circulation* 1985; 71: 963-971.
33. Packer M, Medina N, Yushak, Lee WH. Comparative effects of captopril and isosorbide dinitrate on pulmonary arteriolar resistance and right ventricular function in patients with severe left ventricular failure. Results of a randomized, crossover study. *Am Heart J* 1985; 109: 1293-1299.
34. Packer M, Lee WH, Medina N, Yushak M. Hemodynamic and clinical significance of the pulmonary vascular response to long-term captopril therapy in patients with severe chronic heart failure. *J Am Coll Cardiol* 1985; 6: 635-645.
35. Packer M, Medina N, Yushak M, Lee WH. Usefulness of plasma renin activity in predicting hemodynamic and clinical responses and survival during long-term converting-enzyme inhibition in severe chronic heart failure. Experience in 100 consecutive patients. *Br Heart J* 1985; 54: 298-304.
36. Packer M, Medina N, Yushak M. Comparative immediate hemodynamic and hormonal effects of amrinone and captopril in patients with severe chronic heart failure. *Am J Med Sci* 1986; 291: 8-15.

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ORIGINAL ARTICLES (PEER-REVIEWED)

37. Lee WH, Packer M. Prognostic importance of serum sodium concentration and its modification by converting-enzyme inhibition in patients with severe chronic heart failure. *Circulation* 1986; 73: 257-267.
38. Packer M, Lee WH, Medina N, Yushak M. Influence of renal function on the hemodynamic and clinical responses to long-term captopril therapy in severe chronic heart failure. *Ann Intern Med* 1986; 104: 147-154.
39. Packer M, Medina N, Yushak M, Lee WH. Hemodynamic factors limiting the response to transdermal nitroglycerin in patients with severe chronic congestive heart failure. *Am J Cardiol* 1986; 57: 260-267.
40. Packer M, Lee WH. Provocation of hyper- and hypokalemic sudden death during treatment with and withdrawal of converting-enzyme inhibition in patients with severe chronic heart failure. *Am J Cardiol* 1986; 57: 347-348.
41. Packer M, Medina N, Yushak M. Role of the renin-angiotensin system in the development of hemodynamic and clinical tolerance to long-term prazosin therapy in patients with severe chronic heart failure. *J Am Coll Cardiol* 1986; 7: 671-680.
42. Packer M, Lee WH, Medina N, Yushak M. Systemic vasoconstrictor effects of oxygen administration in obliterative pulmonary vascular disorders. *Am J Cardiol* 1986; 57: 853-858.
43. Packer M, Medina N, Yushak M. Comparative hemodynamic and clinical effects of long-term treatment with prazosin and captopril for severe chronic congestive heart failure secondary to either coronary artery disease or idiopathic dilated cardiomyopathy. *Am J Cardiol* 1986; 57: 1323-1328.
44. Packer M, Lee WH, Yushak M, Medina N. Comparison of captopril and enalapril in patients with severe chronic heart failure. *N Engl J Med* 1986; 315: 847-853.
45. Packer M, Lee WH, Kessler PD. Preservation of glomerular filtration rate in human heart failure by activation of the renin-angiotensin system. *Circulation* 1986; 74: 766-774.
46. Kessler PD, Packer M. Hemodynamic effects of BTS 49465, a new long-acting systemic vasodilator drug, in patients with severe congestive heart failure. *Am Heart J* 1987; 113: 137-143.
47. Packer M, Lee WH, Medina M, Yushak M, Kessler PD. Functional renal insufficiency during long-term therapy with captopril or enalapril for severe chronic heart failure. *Ann Intern Med* 1987; 106: 346-354.
48. Packer M, Lee WH, Medina N, Yushak M, Kessler PD, Gottlieb SS. Influence of diabetes mellitus on changes in left ventricular performance and renal function produced by converting-enzyme inhibition in patients with severe chronic heart failure. *Am J Med* 1987; 82: 1119-1126.

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ORIGINAL ARTICLES (PEER-REVIEWED)

49. Packer M, Lee WH, Kessler PD, Gottlieb SS, Medina N, Yushak M. Prevention and reversal of nitrate tolerance in patients with congestive heart failure. *N Engl J Med* 1987; 317: 799-804.
50. Packer M, Lee WH, Kessler PD, Medina N, Yushak M, Gottlieb SS. Identification of hyponatremia as a risk factor for the development of functional renal insufficiency during converting-enzyme inhibition in severe chronic heart failure. *J Am Coll Cardiol* 1987; 10: 837-844.
51. Packer M, Lee WH, Medina N, Yushak M, Bernstein JL, Kessler PD. Prognostic importance of the immediate hemodynamic response to nifedipine in patients with severe left ventricular dysfunction. *J Am Coll Cardiol* 1987; 10: 1303-1311.
52. Kessler PD, Packer M, Medina N, Yushak M. Cumulative hemodynamic response to short-term therapy with flosequinan (BTS 49465), a new direct-acting vasodilator drug, in severe chronic heart failure. *J Cardiovasc Pharmacol* 1988; 12: 6-11.
53. Gottlieb SS, Kukin ML, Medina N, Yushak M, Packer M. Adverse hemodynamic and clinical effects of encainide in severe chronic heart failure. *Ann Intern Med* 1989; 110: 505-509.
54. Gottlieb SS, Kukin ML, Ahern D, Packer M. Prognostic importance of atrial natriuretic peptide in patients with chronic heart failure. *J Am Coll Cardiol* 1989; 13: 1534-1539.
55. Gottlieb SS, Packer M. Deleterious hemodynamic effect of lidocaine in congestive heart failure. *Am Heart J* 1989; 118: 611-612.
56. Gradman A, Deedwania P, Cody R, Massie B, Packer M, Pitt B, Goldstein S, for the Captopril-Digoxin Study Group. Predictors of total mortality and sudden death in mild to moderate heart failure. *J Am Coll Cardiol* 1989; 14: 564-570.
57. Gottlieb SS, Kukin ML, Medina N, Yushak M, Packer M. Comparative hemodynamic effects of procainamide, tocainide and encainide in chronic heart failure. *Circulation* 1990; 81: 860-864.
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