



**CERTIFICATION**

1962	Diplomate, National Board of Medical Examiners
1968	Diplomate, American Board of Internal Medicine
1970	Diplomate, Cardiovascular Disease, American Board of Internal Medicine

**NARCOTICS CERTIFICATION**

a.	NJ CDS	DO65868	to 10/30/2017
b.	NJ DEA	ADO594374	to 6/30/2019

**UNIVERSITY APPOINTMENTS**

1966 – 1968	Instructor in Medicine Jefferson Medical College Philadelphia, PA
1968 – 1970	Associate in Medicine College of Physicians & Surgeons Columbia University, NYC
1970 – 1976	Assistant Professor of Medicine College of Physicians & Surgeons Columbia University, NYC
1976 – 1984	Associate Professor of Clinical Medicine College of Physicians & Surgeons Columbia University, NYC
1984 – 1995	Professor of Clinical Medicine College of Physicians & Surgeons Columbia University, NYC
1995 - present	Professor of Medicine UMDNJ-New Jersey Medical School Newark, NJ

**ADMINISTRATIVE POSITIONS**

1968 – 78	Director, Cardiac Catheterization Laboratory Roosevelt Hospital, NYC
1978 – 87	Chief, Cardiology Division (Roosevelt Site)
1978 – 81	Associate Director Department of Medicine Roosevelt Hospital, NYC
1981 – 83	Acting Director Department of Medicine Roosevelt Hospital, NYC

1983 – 87	Deputy Director Department of Medicine (Roosevelt Site) St. Luke’s-Roosevelt Hospital Center, NYC
1988 – 95	Chief, Division of Cardiology St. Luke’s/Roosevelt Hospital Center, NYC
1995 – 2000	Director, Division of Cardiovascular Diseases UMDNJ-New Jersey Medical School University Hospital Newark, NJ
2000 - 01	Director, Education Program Division of Cardiovascular Diseases UMDNJ-New Jersey Medical School University Hospital Newark, NJ
2001-2004	Consultant to & Chief Medical Officer Medtower Inc. Newark, NJ
2002 –2004	Interim Director, Division of Cardiovascular Diseases UMDNJ-New Jersey Medical School University Hospital Newark, NJ

**AWARDS AND HONORS**

1964 – 65	New York Heart Association Fellowship
1975 – 82	Cardiac Consultant, Bureau of Handicapped Children, Department of Health, NYC
1976 – 92	Cardiac Consultant, Advisory Committee to Health Systems Agency, New York State
1998, 1999, 2000	New Jersey “Top Doctors”
1998, 1999, 2000	New York Area “Top Doctors”

**BOARDS OF DIRECTORS/TRUSTEES**

Director, New Jersey Affiliate, American Heart Association	1995 –1999
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**MAJOR COMMITTEE ASSIGNMENTS**

- a. National and Regional:**
  - Member Executive Board, New York Cardiologic Society 1974 – 75
  - Member, Education Committee, New York Heart Association 1980 – 90
  - NJ Affiliate, American Heart Association Committee, for  
Review of Grant Applications 1995, 2002 & 2003
  
- b. Medical School:**
  - Curriculum Committee, Columbia College of Physicians and Surgeons 1972 – 74

- |           |                                                                                                  |             |
|-----------|--------------------------------------------------------------------------------------------------|-------------|
|           | Executive Committee, Department of Medicine, Columbia College of Physicians & Surgeons           | 1976 – 95   |
|           | Executive Committee, Faculty Organization (UPA), UMDNJ-New Jersey Medical School                 | 1995 – 2001 |
|           | Faculty Council, UMDNJ-New Jersey Medical School                                                 | 2000-01     |
|           | Faculty Committee on Promotions & Appointments NJ Medical School                                 | 2000-01     |
| <b>c.</b> | <b>Hospital:</b><br>Executive Committee, St. Luke’s-Roosevelt Hospital                           | 1980 – 83   |
| <b>d.</b> | <b>Department:</b><br>Executive Committee, Department of Medicine, St. Luke’s-Roosevelt Hospital | 1980 – 95   |
| <b>e.</b> | <b>Editorial Boards:</b><br>Editorial Board, Circulation                                         | 1974 – 78   |
|           | Editorial Board, Journal of the American College of Cardiology                                   | 1991 – 95   |
|           | Editorial Board, Journal of the American College of Cardiology                                   | 2001 - 05   |
| <b>f.</b> | Heart Failure End-point Committee, Chairman – MADIT-CRT Trial                                    | 2004-2009   |
| <b>g.</b> | Chairman, American Heart Association Heritage Grants Committee                                   | 2005 & 2006 |
| <b>h.</b> | Morbidity and Mortality Review Committee, Chairman- MADIT-RIT                                    | 2010-2012   |
| <b>i.</b> | Morbidity and Mortality Review Committee, Chairman- MADIT S-ICD                                  | 2016-       |

**PROFESSIONAL SOCIETIES**

- Fellow, American College of Cardiology
- Fellow, American College of Physicians
- Fellow, American Heart Association
- Council on Clinical Cardiology and Council on Cardiovascular Radiology
- Association of Professors of Cardiology

**MAJOR RESEARCH INTERESTS**

- Coronary Artery Disease
- Myocardial Ischemia
- Heart Failure
- Sudden Death

**GRANT HISTORY**

- |           |                                                                                                                                                                   |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1977 – 79 | Principal Investigator<br>Study to compare the effect of a new beta antagonist Pindolol (LB-46) versus placebo in patients with stable angina pectoris (\$50,000) |
| 1978 – 82 | Co-Investigator<br>NIH Award – Multicenter trial of post infarction risk stratification for sudden death (MPIP) risk (\$2.5 million) site award (\$200,000)       |
| 1978 – 80 | Principal Investigator<br>A study to determine long-term adjunctive efficacy of Prazosin in congestive heart failure patients (\$30,000)                          |
| 1980 – 82 | Principal Investigator<br>Nifedipine: A study to evaluate effectiveness in patients with stable angina (\$40,000)                                                 |

1983 – 86	Co-Investigator and Co-Director of ECG Core Lab Multicenter study of the reduction of mortality by Diltiazem in post infarction patients (MDPIT) (\$15 million) site award (\$250,000)
1983 – 84	Co-Investigator Propaphenone: Study of the safety and efficacy of a new anti-arrhythmia drug (\$75,000)
1986 – 91	Co-Investigator NIH Award – Multicenter trial to determine value of cardiac arrhythmia suppression on post infarction mortality (CAST) (\$75,000)
1987 – 91	Co-Investigator and Co-Director of ECG Core Lab for MSSMI Trial NIH Award – Multicenter trial to study the natural history of patients with silent ischemia (MSSMI) (\$2.5 million) site award (\$125,000)
1994 -97	Co-Investigator and Co-Director of ECG Core Lab for THROMBO Trial NIH Award – Multicenter trial to study role of thrombogenic/coagulation factors in recurrent infarction (THROMBO) (\$3.5million) site award (\$80,000)
1996 -2002	NIH Award – Co-Investigator Multicenter trial to study atrial fibrillation follow-up investigation of rhythm management (AFFIRM)

## MAJOR TEACHING EXPERIENCE

### ST. LUKE’S ROOSEVELT HOSPITAL CENTER

1. Medical Service Rounds (1-2 months annually) (1968 – 1995)
2. Consultation Rounds (2 months annually) (1968 – 1995)

### COLUMBIA P&S

3. Introduction to Patient (1968 – 1995)
4. Student Elective-Cardiology (1968 – 1995)

### UMDNJ-NEW JERSEY MEDICAL SCHOOL

5. Coordinator Cardiology Section of Introduction to Clinical Sciences Course 1995- 2001
6. Medical Service Rounds-5 months/yr 1995 - 2001
7. Director student elective cardiology 1995- 2001
8. Consultation Rounds 1-2 months/yr 2002- 2016
9. Lectures Cardiology Fellowship 2004-2016

**PRINCIPAL CLINICAL AND HOSPITAL  
SERVICE RESPONSIBILITIES**

1. Director Cardiac Catheterization Laboratory  
Roosevelt Hospital (1968 – 1980)
2. Chief Cardiology, Roosevelt Hospital  
(1978 – 1981)
3. Acting Director, Medicine, Roosevelt Hospital  
(1981 – 1983)
4. Chief Cardiology, St. Luke's-Roosevelt  
(1989 – 1995)
5. Director, Division of Cardiovascular Diseases at  
UMDNJ-University Hospital (1995 – 2000)
6. Director, Education Program, Division of Cardiology at  
UMDNJ-New Jersey Medical School (1995-2001)
7. Interim Director, Division of Cardiovascular Diseases at  
UMDNJ-University Hospital (2002-04)
8. Attending, Voluntary Staff, University Hospital,  
Newark, NJ (2001-2002, 2004- 2017)

**MAJOR ADMINISTRATIVE RESPONSIBILITIES**

1. Director Cardiac Catheterization Laboratory,  
Roosevelt Hospital (1968 – 1980)
2. Chief Cardiology, Roosevelt Hospital  
(1978 – 1989)
3. Director, Cardiology Fellowship Program  
(1968 – 1989)
4. Acting Director, Medicine, Roosevelt Hospital  
(1981 – 1983)
5. Chief Cardiology, St. Luke's-Roosevelt  
(1989 – 1995)
6. Director, Division of Cardiovascular Diseases, UMDNJ-  
New Jersey Medical School  
(1995 – 2000)
7. Director, Cardiology Fellowship Program, UMDNJ-New  
Jersey Medical School (1995 -2001)  
and Interim Director (2002-04)

**PRIVATE PRACTICE OFFICE**

425 West 59<sup>th</sup> Street, New York, NY 10019  
DOC, 90 Bergen Street, Newark, NJ 07103

(1968 – 1995)

(1995 – 2001)

## PUBLICATIONS

1. Stark RB and **Dwyer EM Jr.** The enhancements of homografts of skin in the adult rabbit using elements of homologous whole blood. *Surgery* 46:277-287, 1959.
2. Stark RB, **Dwyer EM Jr.**, and Deforest M. Effect of surgical ablation of regional lymph nodes on survival of skin homografts. *Ann. N.Y. Acad. Sci.* 87:140-145, 1960.
3. Cushman P Jr., Dubois JJ, **Dwyer EM Jr.**, and Lizzo JL. Protracted tolbutamide hypoglycemia. *Am J. Med.* 35:196-204, 1963.
4. **Dwyer EM Jr.**, and Troncale F. Spontaneous pneumothorax and pulmonary disease in the Marfan syndrome. Report of two cases and review of the literature. *Ann. Intern. Med.* 62:1285-1292, 1965.
5. Knox G, Miller R and **Dwyer EM. Jr.** Arteriovenous fistula between the abdominal aorta and inferior vena cava. *Ann. Surgery* 164:147-150,1966.
6. **Dwyer EM Jr.**, Wiener L, and Cox JW. Effect of beta-adrenergic blockade (Propranolol) on left ventricular hemodynamics and the electrocardiogram during exercise induced angina pectoris. *Circulation* 38:250-260,1968.
7. Wiener L and **Dwyer EM Jr.** Electrical induction of atrial fibrillation: An approach to intractable atrial tachycardia. *Am. J. Cardiol.* 21:731-734, 1968.
8. Wiener L, **Dwyer EM Jr.**, and Cox JW. Left ventricular hemodynamics in exercise induced angina pectoris. *Circulation* 38:240-249, 1968.
9. **Dwyer EM Jr.**, and Wiener L. Left ventricular function in man following thiopental. *Anesth. Analg.* 48:499-505, 1969.
10. **Dwyer EM Jr.**, Wiener L, and Cox JW. Angina pectoris in patients with normal and abnormal coronary arteriograms: Hemodynamic and clinical aspects. *Am. J. Cardiol.* 23:639-646, 1969.
11. Wiener L, **Dwyer EM Jr.**, and Cox JW. Hemodynamic effect of nitroglycerin, propranolol, and their combination in coronary heart disease. *Circulation* 39: 623-632, 1969.
12. **Dwyer EM Jr.** Left ventricular pressure-volume alternations and regional disorders of contraction during myocardial ischemia induced by atrial pacing. *Circulation* 42:1111-1122, 1970.
13. Schneider PJ, Cooper JK, Birch AA Jr., and **Dwyer EM Jr.** Computers analysis of electrocardiogram with six and twelve leads. *Public Health Rep.* 85 :853, 1970.
14. Cannon PJ, Dell RB, and **Dwyer EM Jr.** Measurement of regional myocardial perfusion in man with 133-Xenon and a scintillation camera. *J. Clin. Investigation* 51:964, 378-977, 1972.
15. Cannon PJ, Dell RB, and **Dwyer EM Jr.** Regional myocardial perfusion rates in patients with coronary artery disease. *J. Clin. Investigation* 51: 978-994, 1972.
16. **Dwyer EM Jr.** Regional myocardial blood flow (editorial). *Circulation* 45:4-7, 1972.
17. Greenberg H, Jameson AG, Pinkernell BH, **Dwyer EM Jr.** Effects of Nitroglycerine on Left Ventricular Myocardial Blood Flow and Major determinants of Myocardial Oxygen Consumption. *Bull NY Acad Med* 48:1042, 1972.
18. **Dwyer EM Jr.**, Dell RB, and Cannon PJ. Regional myocardial blood flow in patients with residual anterior and inferior transmural infarction. *Circulation* 48: 924-935, 1973.

19. **Dwyer EM Jr.**, and Crouch W. Hemodynamic changes during angina pectoris. *La Revue de medicine clinique* 45:2861, 1974.
20. Greenberg H and **Dwyer EM Jr.** Myocardial infarction and ventricular aneurysm in patients with normal coronary arteries. *Chest* 66: 306-308, 1974.
21. **Dwyer EM Jr.**, Coquia S, Greenberg H, and Pinkernell BH. Inferior myocardial infarction and right coronary artery occlusive disease: A correlative study. *Br. Heart J.* 37:464-470, 1975.
22. Greenberg H, **Dwyer EM Jr.**, Jameson AG and Pinkernell BH. Effects of nitroglycerin on the major determinants of myocardial oxygen consumption: An angiographic and hemodynamic assessment. *Am. J. Cardiol.* 36:426-432, 1975.
23. Horowitz LM, Scheibler B, Connors RB and **Dwyer EM Jr.** A natural language reporting system for the cardiac catheterization laboratory. *Comput. Cardiol.* 00:131, 1978.
24. **Dwyer EM Jr.**, Pepe AJ and Pinkernell BH. The effect of beta-adrenergic blockade with Pindolol versus placebo in coronary patients with stable angina pectoris. *Am. Heart J.* 103:830-833, 1982.
25. Clark LT, Garfen OB, and **Dwyer EM Jr.** Acute pulmonary edema due to ischemic heart disease without accompanying myocardial infarction: Natural history and clinical profile. *Am. J. Med.* 75:332-336, 1983.
26. Clark MB and **Dwyer EM Jr.** Electromechanical dissociation after intravenous Verapamil. *New York State J. Med.* 83:1181, 1983.
27. Clark MB, **Dwyer EM Jr.** and Greenberg H. Sudden death during ambulatory monitoring: Analysis of six cases. *Am. J. Med.* 75:801-806, 1983.
28. The Multicenter Postinfarction Research Group. (**Dwyer EM Jr.**, site principal investigator) Risk stratification and survival after myocardial infarction. *N Engl J Med* 309:331-36, 1983
29. **Dwyer EM Jr.**, McMaster P, Greenberg H and the Multicenter Postinfarction Research Group. Nonfatal cardiac events and recurrent infarction in the year after acute myocardial infarction. *J Am Coll. Cardiol.* 4:695-702, 1984.
30. Greenberg H, McMaster P, **Dwyer EM Jr** and the Multicenter Postinfarction Research Group. Left ventricular dysfunction after acute myocardial infarction: Results of a prospective multicenter study. *J. Am. Coll. Cardiol.* 4:867-874, 1984.
31. Case RB, Choy DB, **Dwyer EM, Jr** and Silvernail PJ. Absence of distal emboli during in Vivo Laser Recanalization. *Lasers Surg. Med.* 5:281, 1985.
32. Chen Y, Sherrid MV, and **Dwyer EM Jr.** Value of two-dimensional echocardiography in evaluating coronary artery disease: A randomized blinding analysis. *J Am Coll. Cardiol.* 5:911-917, 1985.
33. **Dwyer EM Jr.**, McMaster P and Greenberg H. Cardiac morbidity following acute myocardial infarction. *Cardiol. Board Rev* 2: 106-114, 1985.
34. Kunis R, Greenberg H, Yeoh CB, Garfein OB, Pepe AJ, Pinkernell BH, Sherrid MV and **Dwyer EM Jr.** Coronary revascularization for recurrent pulmonary edema in elderly patients with ischemic heart disease and preserved ventricular function. *N. Engl. J. Med.* 313:1207, 1985.
35. Kunis RL, Garfein OB, Pepe AJ and **Dwyer EM Jr.** Deglutition syncope and atrioventricular block selectively induced by hot food and liquid. *Am. J. Cardiol.* 55:613, 1985.



36. **Dwyer EM Jr.**, Greenberg H, Case RB and the Multicenter Postinfarction Research Group. Association between transient pulmonary congestion during acute myocardial infarction and high incidence of death in six months. *Am. J. Cardiol.* 58:900-905, 1986.
37. Kunis RL, Sherrid MV, McCabe JB, Grieco MH and **Dwyer EM Jr.** Successful medical therapy of mitral annular abscess complicating infective endocarditis. *J. Am. Coll. Cardiol.* 7:953-955, 1986.
38. **Dwyer EM Jr.**, Greenberg H and Case RB. Prognostic importance of pulmonary congestion in acute myocardial infarction. *Cardiol. Board Rv.* 4:111, 1987.
39. Greenberg H, Gillespie J, **Dwyer EM Jr.** and the Multicenter Postinfarction Research Group. A new electrocardiographic classification for postmyocardial infarction clinical trials. *Am. J. Cardiol.* 59:1057-1063, 1987.
40. Greenberg H, Sherrid MV, **Dwyer EM Jr.**, O'Kelly J, Marsella R and Mathesen D. Out-of-hospital paramedic administered streptokinase for acute myocardial infarction. *Lancet* 2: 1187, 1988.
41. Multicenter Diltiazem Postinfarction Trial (MDPIT) Group ( **Dwyer EM Jr.**, site principal investigator) . The effect of diltiazem on mortality and reinfarction after myocardial infarction. *N. Engl. J. Med.* 319:385-392, 1988.
42. Sherrid M, Delia E, Chen Y, and **Dwyer EM Jr.** Oral disopyramide therapy for obstructive cardiomyopathy. *Am. J. Cardiol.* 62:1085-1088, 1988.
43. **Dwyer EM Jr.**, Greenberg HM, Steinberg G. and the Multicenter Postinfarction Research Group. Clinical characteristics and natural history of survivors of pulmonary congestion during acute myocardial infarction. *Am. J. Cardiol.* 63:1423-1428, 1989.
44. Krone RJ, **Dwyer EM Jr.**, Greenberg H, Miller JP, Gillespie JA and the Multicenter Postinfarction Research Group. Risk stratification in patients with first non-Q-wave infarction: Limited value of the early low level exercise test after uncomplicated infarcts. *J Am Coll Cardiol* 14:31-37, 1989.
45. **Dwyer EM Jr** and Turino GM. Carbon monoxide and cardiovascular disease. *N. Engl. J. Med.* 321:1474-1475, 1989.
46. **Dwyer EM Jr.**, Greenberg H, Lynn S, Marsella R, Mathisen D, Sherrid M. A pilot study of paramedic-administered, prehospital thrombolysis for acute myocardial infarction. *Clin. Cardiol.* 13:421-424, 1990.
47. Boden WE, Korne R, Kleiger R, Oakes D, Greenberg H, **Dwyer EM Jr.**, Miller P, Abrams J, Coromilas J, Goldstein R, Moss AJ and the Multicenter Diltiazem Postinfarction Trial Research Group: Electrocardiographic subset analysis of diltiazem administration on long-term outcome after acute myocardial infarction. *Am. J. Cardiol.* 67:335-342, 1990.
48. Benhorin J, Moss AJ, Oakes D, Marcus F, Greenberg H, **Dwyer EM Jr.**, Algeo S, Hahn E. The prognostic significance of first myocardial infarction type (Q-wave versus non Q-wave) and Q-wave location. . *J Am Coll Cardiol* 15:1201-1207, 1990.
49. Sherrid M, Goyal A, Delia E, Khoo G, Heropoulos M, McCabe JB, **Dwyer EM Jr.** Unsuspected Mitral Stenosis. *Am. J. Med.* 90:189-192, 1991.
50. Wong S, Greenberg H, Haber W, **Dwyer EM Jr.** Effects of Diltiazem on Recurrent Myocardial Infarction in Patients with Non-Q Wave Myocardial Infarction. *J Am Coll Cardiol* 19: 1421-1425, 1992.
51. Moss A, **Dwyer EM Jr.**, et al. Detection and significance of myocardial ischemia in stable patients after recovery from an acute coronary event. *JAMA* 269: 2379-2385, 1993.

52. Greenberg H, Wong S, Hager W, **Dwyer EM Jr.** When can diltiazem better the odds against reinfarction? *Cardiology Board Review* 10:60-64, 1993.
53. Sherrid M, Chu C, Delia E, Mogtader A, **Dwyer EM Jr.** An echocardiographic study of the fluid mechanics of obstruction in hypertrophic cardiomyopathy. *J Am Coll Cardiol* 22: 816-8125, 1993.
54. Krone RJ, Greenberg H, **Dwyer EM Jr.**, Kleiger RE, Boden WE. and the Multicenter Diltiazem Postinfarction Trial. Long-term prognostic significance of ST segment depression during acute myocardial infarction. . *J Am Coll Cardiol* 22: 361-367, 1993.
55. Greenberg HM, **Dwyer EM Jr.**, Hochman JS, Steinberg JS, Echt DS, Peters RW. Interaction of ischaemia and encainide/flecainide treatment: A proposed mechanism for the increased mortality in CAST I. *Br Heart J* 74:631-635, 1995.
56. **Dwyer EM Jr.**, Case RB, Gillespie JA, Greenberg HM, Krone RJ, Lichstein E, Moss AJ. Adverse Prognosis of ST Depression on the Resting Electrocardiogram in Stable Patients Following Acute Myocardial Infarction: An Analysis of the Basis for this Association. *A.N.E.* 1:54-62, 1996.
57. Kalaria VG, **Dwyer EM Jr.** Ability of the exercise electrocardiogram test to detect ischemia in stable coronary artery disease patients with ST-segment depression on the resting electrocardiogram. *Am. Heart J.* 135:901-906, 1998.
58. Moss AJ, Goldstein RE, Marder VJ, Sparks CE, Oakes D, Greenberg H, Weiss HJ, Zareba W, Brown MW, Liang CS, Lichstein E, Little WC, Gillespie JA, Voorhees LV, Krone RJ, Bodenheimer MM, Hochman J, **Dwyer EM Jr.**, Arora R, Marcus FI, Watelet LFM, Case RB. Thrombogenic Factors and Recurrent Coronary Events. *Circulation* 99: 2517-522, 1999.
59. Waldo AL, for the AFFIRM Investigators. (**Dwyer EM** – Participating Investigator). Management of Atrial Fibrillation: The Need for AFFIRMative Action. *Am J Cardiol*, 84:698-700, 1999.
60. **Dwyer EM Jr.**, Asif M, Ippolito T, Gillespie M. The role of hypertension, diabetes, obesity and race in the development of symptomatic myocardial dysfunction in a predominately minority population with normal coronary arteries. *Am Heart J*, 139: 297-304, 2000.
61. Kalaria VG, Zareba W, Moss AJ, Pancio G, Marder VJ, Morrissey JH, Weiss HJ, Sparks CE, Greenberg H, **Dwyer EM**, Goldstein R, Watelet LFM. Gender-related differences in thrombogenic factors predicting recurrent cardiac events in patients after acute myocardial infarction. *Am J Cardiol* 85:1401-1408, 2000
62. Theroux P, Chaitman BR, Danchin N, Erhardt L, Meinertz T, Schroe Tognoni G, White HD, Willerson JT, Jessel A (**Dwyer EM** – Participating Investigator). Inhibition of the sodium hydrogen exchanger with cariporide prevents myocardial infarction in high-risk ischemic situations. Main results of the GUARDIAN trial. *Circulation* 201: 3032-3038, 2001.
63. Harb TS, Zareba W, Moss AJ, Ridiker PM, **Dwyer EM** et al. Association of C-Reactive Protein and serum Amyloid A with recurrent coronary events in stable patients after healing of acute myocardial infarction. *Am J Cardiol* 89:216-221, 2002.
64. Moss AJ, Goldstein RE, Greenberg H, **Dwyer EM**, Bigger JT, and Case RB. The Multicenter Research Group. *A.N.E.* 7:271-77, 2002.
65. Baseline characteristics of patients with atrial fibrillation: the AFFIRM Study. The AFFIRM Investigators. (**Edward M. Dwyer** - site principal investigator) Atrial Fibrillation Follow-up; Investigation of Rhythm Management. *Am Heart J* 143: 991-1001, 2002.

66. Wyse DG, Waldo AL, DiMarco JP, Domanski MJ, Rosenberg Y, Schron EB, Kellen JC, Greene HL, Mickel MC, Dalquist JE, Corley SD; The Atrial Fibrillation Follow-up Investigation of Rhythm Management (AFFIRM) Investigators. (**Dwyer EM**, site investigator) A comparison of rate control and rhythm control in patients with atrial fibrillation. *N Engl J Med*; 347:1825-33, 2002.
67. The Affirm Investigators. (**Dwyer EM**, site investigator). Relationships Between Sinus Rhythm, Treatment, and Survival in the Atrial Fibrillation Follow-Up Investigation of Rhythm Management (AFFIRM) Study. *Circulation*; 109:1509-13, 2004.
68. Budhwani N, Patel S, and **Dwyer EM**. Electrocardiographic Diagnosis of Left Ventricular Hypertrophy: The Effect of Left Ventricular Wall Thickness, Size and Mass on the Specific Criteria for Left Ventricular Hypertrophy. *Amer Heart J* 149:709-14, 2005.
69. Arthur J. Moss, Daniel Ryan, David Oakes, Wojciech Zareba, D; Robert E. Goldstein, Monty M. Bodenheimer, Mary W. Brown,; Robert B. Case, **Edward M. Dwyer, Jr.**, Shirley W. Eberly, Charles W. Francis, John A. Gillespie, Henry Greenberg, Ronald J. Krone, Edgar Lichstein, Jean W. MacCluer, Frank I. Marcus, Jeanette McCarthy, and Charles E. Sparks, MD. Paradoxical Association of a Group of Coronary Disease-associated Genotypes with Reduced Rate of Recurrent Coronary Events after Myocardial Infarction. *Am J Cardiol* 96: 177- 182, 2005.
70. Brady J and **Dwyer EM**. Prognosis of Patients with Isolated Diastolic Dysfunction: A Long Term Survival Study in Patients without Coronary Artery Disease or Clinical Heart Failure. *Clinical Cardiology* 29: 121-24, 2006.
71. Cygankiewicz I, Gillespie J, Zareba W, Brown M, Goldenberg I, Klein H, McNitt S, Polonsky S, Andrews M, **Dwyer EM**, Hall J and Moss A. for the MADIT II Investigators. Predictors of Long Term Mortality in MADIT II Patients with Implanted Cardioverter- Defibrillators. *Heart Rhythm* 4:468-73, 2009
72. Moss AJ, Greenberg H, **Dwyer EM**, Klein H, Ryan D, Francis C, Marcus F, Eberly S, Benhorin J, Bodenheimer M, Brown M, Case R, Gillespie J, Goldstein R, Haigney M, Krone R, Lichstein E, Locati E, Oakes D, Thomsen PE, Zareba W. Senior Academic Physicians and Retirement Considerations. *Prog Cardiovasc Dis.* 55:611-5. 2013.
73. Skali H, **Dwyer EM**, Goldstein R, Haigney M, Krone R, Kukin M, Lichstein E, McNitt S, Moss AJ, Pfeffer MA, Solomon SD. Prognosis and response to therapy of first inpatient and outpatient heart failure event in a heart failure clinical trial: MADIT-CRT. *Eur J Heart Fail.* 16:560-5. 2014.
74. Jesaia Benhorin, Monty Bodenheimer, Mary Brown, Robert Case, **Edward M. Dwyer**, Shirley Eberly, Charles Francis, John A. Gillespie, Robert E. Goldstein, Henry Greenberg, Mark Haigney, Ronald J. Krone, Helmut Klein, Edgar Lichstein, Emanuela Locati, Frank I. Marcus, Arthur J. Moss, David Oakes, Daniel H. Ryan, Poul Erik Bloch Thomsen, Wojciech Zareba. Improving Clinical Practice Guidelines for Practicing Cardiologists. *Amer J Cardiol*, 115:1773-76, 2015.
75. Arthur J. Moss, MD, on behalf of the **Executive Committees of the Multicenter Research Group (MRG)** and Multicenter Automatic Defibrillator Implantation Trial (MADIT). Multicenter Cardiovascular Studies and Trials Lessons Learned From 35 Years of Productive Collaboration. *JACC.* 68, 2232-2234, 2016

## BOOKS, MONOGRAMS AND CHAPTERS

1. **Dwyer EM Jr.** Radioisotope studies in coronary artery disease. In: Breast AN, Wiener L, Chung EK and Kasparian H (Editors): Innovations in the diagnosis and management of acute myocardial infarction. F.A. Davis Co., Philadelphia, 1975, p.101.
2. **Dwyer EM Jr**, Greenberg HM. Overview in: Greenberg HM and Dwyer EM Jr. (Editors). Sudden Coronary Death. New York Acad. of Sciences, New York, 1982, p. 1-2.

3. Greenberg HM and **Dwyer EM Jr.** (Editors): Annals of the New York Academy of Sciences, 382: Sudden Coronary Death (1<sup>st</sup> ed). New York Academy of Sciences, New York, 1982, pp. 484.
4. **Dwyer EM Jr.** Stress and sudden death. In: Legato MJ (Editor): The Stressed Heart, Martinus Nijhoff Publishing, Boston, 1987, p. 323-335.
5. **Dwyer EM Jr.** After the myocardial infarction: A review and approach to risk stratification. In: Cardiology Clinics Cabin H. (Editor): Management of acute myocardial infarction. W.B. Saunders, Philadelphia. 153-163, 1989.
6. **Dwyer EM Jr.** The predictive accuracy of the electrocardiogram in identifying the presence and location of myocardial infarction and coronary artery disease. In Electrocardiography: New York Academy of Sciences. 601:67-76, 1990.

#### PRESENTATION- ABSTRACTS

1. **Dwyer EM Jr,** Wiener L, and Cox JW. Effect of beta-adrenergic blockade (Propranolol) on left ventricular hemodynamics and electrocardiogram during exercise-induced angina pectoris. Circulation 36(Suppl. II):99-100, 1967.
2. Wiener L, **Dwyer EM Jr,** and Cox JW. Left ventricular hemodynamics and ECG changes during exercise induced angina pectoris. Circulation 36(Suppl. II): 270-271, 1967.
3. **Dwyer EM Jr,** Wiener L, and Cox JW. Hemodynamics changes in patients with angina and normal coronary arteries. Clin Res 16:277, 1968.
4. Wiener L, **Dwyer EM Jr,** and Cox JW. Hemodynamics effects of nitroglycerin Propranolol combination in coronary heart disease. Circulation 38(Suppl. VI):206, 1968.
5. **Dwyer EM Jr,** Wiener L, and Cox JW. Angina pectoris in patients with normal and abnormal coronary arteriogram: Hemodynamic and clinical aspects. Circulation 38(Suppl. VI):68, 1968.
6. Cannon PJ, Dell RB, **Dwyer EM Jr,** and Johnson PM. A method for quantitative assessment of regional myocardial perfusion in the intact animal. Circulation 40(Suppl. III):56, 1969.
7. Cannon PJ, Dell RB, and **Dwyer EM Jr.** Regional myocardial perfusion in man. J. Clin. Invest. 49:16A, 1970.
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