

CURRICULUM VITAE

Name: Robert B. Leman, M.D.

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MSC 592
Charleston, SC 29425

Education:

1965-1969	Ursinus College, Collegeville, PA	BS
1972-1976	University of Arkansas, Little Rock, Ark	MD
1976-1977	Medical University of SC, Charleston, SC Intern in Internal Medicine	
1977-1979	Medical University of SC, Charleston, SC Resident in Internal Medicine	
1979-1981	Medical University of SC, Charleston, SC Fellow in Cardiology	

Specialty Certification:

American Board of Internal Medicine	
Certified in Internal Medicine	September 12, 1979
Certified in Cardiovascular Disease	November 11, 1981
Certified in Cardiac Electrophysiology	November 4, 1992

Licensor: South Carolina

Faculty appointments:

1969-1970	Instructor of Physical Science, Gloucester County College
1981-1982	Instructor of Internal Medicine & Cardiology, Medical University of South Carolina
1983-1989	Assistant Professor of Medicine, Dept. of Medicine Medical University of South Carolina
1989-1997	Associate Professor of Medicine, Dept. of Medicine Medical University of South Carolina
1997-	Professor of Medicine, Dept. of Medicine Medical University of South Carolina

Administrative Appointments:

1982-	Director of Pacemaker Surveillance, Medical University of South Carolina
1986-1992	Director of Charleston Veterans Association Cardiac Catheterization Laboratory, Charleston, South Carolina
1988 -	Director of Adult Electrophysiology, Medical University of South Carolina

Awards, Honors, Membership in Honorary Societies:

Alpha Omega Alpha	University of Arkansas Medical Center Little Rock, Arkansas
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President, Fresh Class	University of Arkansas Medical Center Little Rock, Arkansas
Faculty - Liaison Committee	University of Arkansas Medical Center Little Rock, Arkansas
Search Committee for Dean	University of Arkansas Medical Center Little Rock, Arkansas

Membership in Professional/Scientific Societies:

National Society, Local Societies:

American Heart Association, South Carolina Chapter
 American Heart Association, Fellow in Council on clinical Cardiology
 Fellow of American College of Physicians
 Fellow of American College of Cardiology
 North American Society of Pacing and Electrophysiology
 Charleston County Medical Society
 Fellow, Society of Cardiac Angiography & Interventions.

Extramural Grants/Award Amount:

Principal Investigator (15% of time) for following:

1. Dual chamber pacing as a mode of therapy for cardiac dysfunction. Biotronik \$2600.00 Completed: 1984.
2. The use of propranolol in acute suspected myocardial infarction. Ayers Laboratories. \$7000.00, Completed: 1985.
3. Safety of Betacor alone or in combination with nifedipine in the treatment of stable angina pectoris. Ayers Laboratories. \$24,280.00, Completed: June 1987.
4. Efficacy and safety of Diltiazem as replacement therapy for beta blockers and/or diuretics in the treatment of patients with stable angina pectoris and coexisting essential hypertension. Marion laboratories. \$50,435.00, Completed: December 1986.
5. Diltiazem SR capsules vs. placebos in patients with chronic stable angina receiving concomitant antianginal therapy. Marion Laboratories. \$81,070.00, completed: March 1990.
6. A comparative inpatient study of the safety and efficacy of three oral Recainam doses in the suppression of life-threatening ventricular tachyarrhythmias. Wyeth-Ayerst Laboratories. \$13,181.00, Completed: September 1990.
7. Multicenter pilot study to examine the activity of bidisomide in subjects with inducible ventricular tachycardia. G.D. Searl & Company. \$21,741.50, Completed: August 1991.
8. An open-labeled dose titration of orally administered dofetilide in patient with sustained ventricular tachycardia. Pfizer, Inc. \$18,300.00, Completed: December 1992.

9. Randomized double blind parallel placebo controlled evaluation of orally administered dofetilide in patients with paroxysmal atrial fibrillation or flutter. Pfizer, Inc. \$13,000.00, Completed: December 1992.
10. Implantation of the PCD transvene lead system, Medtronic, Inc. \$5,000.00, Initiated 1993, Completed: 1994.
11. A double-blind, placebo-controlled, multicenter study evaluating efficacy and safety of different oral dose levels of dofetilide in the presence of recurrence of atria fibrillation/flutter in patients with chronic persistent atrial fibrillation/flutter converted electrically or pharmacologically to sinus rhythm. Pfizer, Inc. \$27,000.00, initiated, 1993, completed 1995.
12. Implantation and evaluation of the Medtronic Model I7202D Jewel CD defibrillator cardioverter system, Medtronic, Inc. \$27,000.00, Initiated, 1993, completed 1995.
13. A Double-Blind, Randomized, Parallel, Sotalol-Controlled, Dose Confirmation Study to Investigate the Safety and Electrophysiologic Effects of MK-499 in Patients with Sustained Ventricular Tachyarrhythmias. Merck & Company, Inc. \$14,790.00, Initiated, 1994, terminated 1995.
14. Implantation and evaluation of the TVL Lead system, Ventritex, Initiated 1995, Completed 1996. \$1,300.00.
15. Implantation and evaluation of the Medtronic model 6932 lead, Medtronic, Inc., Initiated 1995, Completed 1996, \$8,500.00.
16. A Randomized double Blind Place-Controlled Evaluation of the Efficacy and Safety of Intravenously Administered dofetilide in Subjects with Spontaneous or Induced Paroxysmal Supraventricular Tachycardia. Duke University, Pfizer, Inc. Initiated 1995, Completed 1996, \$24,000.00.
17. Detection of Atrial Late Potentials by Signal Average Electrocardiogram. Marquette. Initiated 5/17/95, Completed May 1996.
18. Randomized Double-Blind Parallel, Placebo-Controlled Evaluation of Orally administered Dofetilide in Subjects with Symptomatic Paroxysmal Atrial Fibrillation or Flutter (pAF or pAFL) Pfizer, Inc. Initiated 1996, Completed 1996. \$15,000.00.
19. A Double Blind Long-Term Extension Study of Orally Administered dofetilide in Patients Having Previously Completed the Dofetilide Study. Initiated 1996, Completed 1999.
20. Atrial Fibrillation Follow-up Investigation of Rhythm Management (AFFIRM Trial), NIH

(National Institute of Health) approved, Initiated March 14, 1996.

21. SCD-HEFT Prevent of Sudden Cardiac Death in Heart Failure Trial, NIH Approved, Initiated 1996.
22. Cost Savings Due to Active Fixation Steroid-Eluting Leads. Medtronic, Inc., \$1,617.00, Initiated January 1997, Completed November 1999.
23. Ventritex TVL Lead Study, \$3,160.00, Initiated 1997, Completed 1998.
24. Evaluation of Overdrive Dual-Chamber Pacing to Reduce the Incidence of Ventricular Tachyarrhythmias with the Guidant/CPI Ventak AV AICD System. Guidant/CPI Initiated November 1997, Completed January 2000 \$4000
25. A Double-Blind, Placebo-Controlled, Randomized Clinical Trial of Slow Release Propafenone (Rythmol (R)-SR) in the Prevention of Symptomatic Recurrences of Atrial Fibrillation. Knoll Pharmaceutical Co. Initiated December 16, 1997, Completed February 2001, \$7,600.00
26. Clinical Investigation of the Medtronic GEM Model 7227 ICD, Medtronic, Inc., Initiated February, 1998, Completed June 2000, \$26,250.00.
27. A Multi-Center, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy and Safety of 35mg., 75mg., and 125mg./day Doses of Oral Azimilide Dihydrochloride in Patients with an Implantable Cardio Defibrillation for the Treatment of Ventricular Arrhythmias. Proctor & Gamble Pharmaceuticals. \$8,041.00, Initiated July 15, 1997. Completed August, 1998.
28. A Multicenter Double Blind, Placebo-Controlled Parallel Design Study to Determine the Effect of 75mg. or 100mg. or Orally Administered Azimilide Dihydrochloride versus Placebo on Survival in Recent Post MI patients at Risk of Sudden Death, Initiated October 1997, Completed June 01, \$12,785.
29. Effects of a Single Intravenous Dose of HMR 1098A on a Defibrillation Threshold (DFT) in Patients with an I D Undergoing DFT Testing. Hoechst Marion Roussel. \$25,010.00, Initiated May 1999. Completed February 2000, \$5002.
30. St. Jude Photon DR Evaluation. Initiated January 2000, Completed October 2000, \$16,300.00
31. AFFIRM Trial - NIH. Rate Control versus Antiarrhythmic Treatment for Atrial Fibrillation. Initiated November 96, Completed Spring 1999, \$5,407.00
32. SCD-HeFT - NIH. Sudden Cardiac Death in CHF Randomized to Place, Amiodarone, ICD. Initiated June 1997, Completed Spring 1999., \$21,700.00

33. Azimilide for the Treatment of VT in Patients with ICD. Initiated May 1999, Completed Spring 2000, Reinitiated 2001. \$8,041.00
34. Dual Chamber and VVI Implantable Defibrillation Trial (DAVID Study) Initiated May 2001.
35. SPRINT Quattro Secure Model 6947 lead study (Medtronic) Initiated June 2001. Ended Summer 2001
36. Dronedaronone Placebo Controlled Dose Finding, Safety and Tolerability Study in Patients with an ICD. Initiated June 2001. ongoing.
37. Dronedaronone. Long Term Tolerability and Efficacy Estimation Study in Patients with an ICD. Initiated June 2001, ongoing.
38. Shield Study
39. Adonis
40. Alternans Before Cardioverter Defibrillator Trial. \$1,400
41. A Placebo-Controlled, Double-Blind, Parallel Arm Trial to Assess the Efficacy of

Academic Committee Activities:

College: Student Education and Evaluation Committee	1982-1992
Department: Charleston VA CPR Committee	1982-1992
American College of Cardiology	
Steering Committee for the State Chapter	1994 -1997

Medical University of S.C., Cardiology Division Fellowship Program,

Curriculum Committee	1997 -
Fellows Productivity Committee	1997 -
Diversity Committee	1997 -

Major Teaching Responsibilities:

Undergraduate Medical Education:

Attending for Veterans Administration	-	4 months 1998 - 1989
		4 months 1989 - 1990
		4 months 1990 - 1991
		3 months 1991 -1992
Ward Attending for Veterans Administration	-	1 month 1992 - 1993
Ward Attending for Charleston Memorial Hospital		1 month 1994 - 1996

Graduate Medical Education:

House staff - Attending Veterans Administration ICU	4 months 1988 - 1989
	4 months 1989 - 1990
	4 months 1990 - 1991
	3 months 1991 -1992

Resident Conference in Cardiology - Pacing, EKG's and Arrhythmias.

Cardiac Fellows: Device (ICD and Pacemaker) clinic - weekly
 EPS rotation daily (fellows rotate every three months) this includes arrhythmia patients in service care and electrophysiological procedures.

Catheterization at Veterans Administration Hospital weekly. Lectures on Pacemakers yearly,

Continuing Medical Education:

Speaker at 4-day CME program: Medical University of South Carolina - Family Practice Symposium in Spoleto, Charleston, SC, May 1991.

Grand Rounds - Medical University of SC, Department of Medicine - January 30, 1990; May 14, 1991; January 19, 1993.

Grand Grounds - Greenville Memorial Hospital - January 1990, 1991, 1992, 1993, 1994, 1995, 1998, 1999, 2004.

Grand Rounds - Spartanburg Regional Hospital - January 1990, 1991, 1992, 1993, 1994, 1995, 1999, 2003, 2004.

Speaker at 4-day CME program: Medical University of SC, Department of Anesthesiology "Care of the Critically Ill or Injured." TOPIC "Dysrhythmias" (SVT).

Speaker of 4-day CME program: American College of Cardiology "Cardiology for the Primary Physician," May 1992, June 1993.

Speaker at 5-day CME program: Medical University of South Carolina - "Intensive Review in Emergency Medicine," September 1992.

Speaker at 5-day CME program: Medical University of South Carolina - "Emergency Management of Ventricular Tachycardia." September 1993.

Speaker at 2-day CME program: Radisson Hotel on the Riverwalk, Augusta, Georgia - "94 Changes," Wednesday, March 30, 1994, "The In's and Out's of Defibrillation."

Speaker at 4-day CME program: American College of Cardiology - "Cardiology for the Primary Physician." "Indications for Permanent Pacemakers and the Various Types" and Meet the Professors, June 1-4, 1994, Omni Hotel, Charleston, SC.

Speaker at CME program: American College of Emergency Physicians - Intensive Review in Emergency Medicine. "Emergency Management of Ventricular Tachycardia." September 28, 1994, Sheraton Inn, Charleston, SC

Speaker at CME program: American college of Cardiology "Newer Strategies in Atrial Fibrillation," May 31 - June 3, 1995, Omni Hotel, Charleston, SC

Speaker at CME program: Professional Postgraduate Services (PPS) Division of Physician World Communications Group (PW). "Cardiac Patients in Critical Setting: Hemodynamic Management," May 10, 1995, Medical University of SC, Charleston, SC

Speaker at Horry County Medical Society at the Dunes Country Club in Myrtle Beach, SC, May 23, 1995.

Speaker at South Carolina Society of Internal Medicine at the Hawthorne Suites Hotel in Charleston, SC October 1, 1995.

Speaker at Sixth Annual Cardiology Symposium 1996, University of South Carolina School of Medicine - Richland Memorial Hospital. "Initial Management of Acute MI.," September 21, 1996.

Speaker at third Annual Joint Meeting of the North Carolina and South Carolina Chapters of the American College of Cardiology. "AICD's - Expanding Indications," Kiawah Island Resort, Kiawah, SC. October 4-6, 1996.

Speaker at South Carolina Chapter of American College of Cardiology Scientific Session on the Evaluation and Management of the Patient with Atrial Fibrillation. "The Pathophysiology of Atrial Fibrillation" and "The Role of Anti-Coagulation in Atrial Fibrillation." Embassy Suites Hotel, Columbia, SC, Saturday, February 22, 1997.

Speaker at CME program - American College of Cardiology 21st Annual Update: Cardiology for the Primary Physician. "Regular Supraventricular Tachycardias." Charleston Place Hotel, Charleston, SC Saturday, May 31, 1997.

Speaker at CME program - American College of Cardiology 22nd Annual Update: Cardiology for the Primary Physician. "A Rational Approach to the Workup of Syncope." Charleston Place Hotel, Charleston, SC Friday, May 29, 1998.

Speaker at CME program - American Heart Association 71st Scientific Sessions: "Arrhythmias in the Elderly." Dallas, Texas. November 8-11, 1998.

Speaker at CME program - American College of Cardiology 23rd Annual Update: Cardiology for the Primary Physician. "Management of PVCs and Non-Sustained Ventricular Tachycardia." Charleston Place Hotel, Charleston, SC Saturday, June 5, 1999.

Speaker at CME Program - Division of General Internal Medicine & Geriatrics, Office of Continuing Medical Education, College of Medicine, Medical University of S.C: Office Practice of Primary Care Medicine. "Syncope". Mills House Hotel, Charleston, SC, Friday, March 23, 2001.

Speaker at CME Program - American College of Cardiology 25th Annual Update: Cardiology for the Primary Physician. "Catheter Ablation of Arrhythmia. Current Indications and Results". Charleston Place Hotel, Charleston, SC Thursday, May 31, 2001

Major Clinical Interests and Responsibilities:

Pacemakers

Arrhythmias (Sudden Death and WPW syndrome)

Syncope

Implantable Cardiac Defibrillators

Interventional Cardiology

Invited Lectures:

May 2, 1990 - Salisbury VA Hospital - Grand Rounds "Treatment of Ventricular Arrhythmia," Salisbury, N.C.

February 6, 1991 - Lecture "Treatment of Ventricular Arrhythmia," Tampa Bay Cardiology Staff Conference, Tampa Bay, Florida

February 7, 1991 - Lecture "Treatment of Ventricular Arrhythmia," Venice Hospital - Grand Rounds, Venice, Florida

July 17, 1991 - Lecture "Treatment of Ventricular Arrhythmia," Sun coast Hospital Grand Rounds," Indian Rock, Florida

October 14-15, 1991 Mobile Infirmary and Lunch Staff Meeting "Atrial Fibrillation and Flutter," Mobile, Alabama.

October 15, 1992 University of South Alabama Medicine Grand Rounds "Atrial Fibrillation and Flutter," Mobile, Alabama

April 28, 1994 - Lecture "Contemporary Indications for Cardiac Pacing in the community Hospital Environment." Beaufort county Memorial Hospital medical staff.

May 5, 1994 - Lecture "Indications for Permanent Pacemakers and the various types", Beaufort Hospital Staff, Beaufort, South Carolina.

June 16, 1994 - Teletronics Pacing Systems, Lecture "Cardiac Pacing and Arrhythmia Control", Charleston Marriott Hotel, N. Charleston, SC

February 9, 1995 - Lecture "Coronary Artery Disease Treatment for the 90's", Florida Academy of Physician Assistants, Grosvenor Resort, Lake Buena Vista (Orlando), Florida.

March 19-22, 1995 - Lecture "Follow-up", American college of cardiology, New Orleans, LA.

May 23, 1995 - Marion Merrell Dow, Inc., Lecture "Atrial Fib/Flutter", Horry County Medical Society, Myrtle Beach, SC.

August 4, 1995 - Lecture "Five Cases of Sudden Death with Negative EP" 22nd Annual meeting of the South Atlantic Cardiovascular society, Ponte Vedra Beach, Florida.

October 17, 1995 - Lecture "cardiac Arrhythmias", Cardiothoracic Surgery Conference, Medical University of SC, Charleston, SC

June 18, 1996 - Lecture "Management of Atrial Fibrillation", Intensive Review of Family Medicine, Dept. of Family Medicine, Medical University of SC, Wild Dunes Resort and conference Center.

February 6, 1997 - Lecture "Stimulators then (1958) and Now," The Low Country Chapter of the S.C.S.R.T., Ralph H. Johnson Veterans Affairs Medical Center, Veterans Hospital Auditorium, Charleston, SC

November 9, 1998 - Lecture "Arrhythmias in the Elderly," 71st scientific Sessions. American Heart Association. Dallas, Texas

December 5, 1998 - Lecture " Evaluation of Cardiac and Neurocardiogenic Syncope." Second Annual SE Cardiac Arrhythmia symposium: Current Management of Cardiac Arrhythmias. Sheraton Hotel, Columbia, SC

February 4-5, 1999 - Lecture "Implantable Devices: Then and Now." Therapy Enhancement Seminar, St. Jude Medical Center, Turnberry Isle Resort and Club, Aventura, Florida

April 20, 1999 - Lecture "Office Management of Atrial Fibrillation. New Approach to an Old Problem", An Update for Physician Assistants. Francis Marion Hotel, Charleston, SC

October 21, 1999 - Lecture "Cardiac Pacing: Lower Rate Behavior, and

October 22, 1999 - Lecture "ICD Programming and Follow-Up" Cardiac Rhythm Management Seminar for Physicians (Bradycardia and Tachycardia). St.Jude Medical Cardiac Rhythm Management Division. Hyatt Regency Pier Sixty Six Resort, Fort Lauderdale, Florida.

July 21, 2000 - Training lecture for Tikosyn. Myrtle Beach, SC. Office of Cardiology/Gastroenterology Associates fo Myrtle Beach, PA.

August 31, 2000 - Training lecture for Tikosyn. Florence, SC. Office of Robert Luke, M.D.

October, 4-6, 2000 - Training lecture for Tikosyn. North Carolina.

Extramural Professional Activities:

March 23, 1990 - Lecture "Anginal Treatment" Orangeburg, Hospital, Orangeburg, SC

August 16, 1990 - Lecture "Treatment of Ventricular Arrhythmia's" Roper Staff conference, Charleston, SC

September 25, 1990 - Lecture "Treatment of Ventricular Arrhythmia" Grand Strand Hospital Staff Conference, Myrtle Beach, SC

October 27, 1990 - Lecture "Treatment of Ventricular Arrhythmia" Trident Regional Medical Center, Grand Grounds, Charleston, SC

November 11, 1991 - Lecture "Treatment of Ventricular Arrhythmia" Mullins Hospital Staff monthly lecture - Mullins, SC

November 20, 1991 - Lecture - MUSC - Department of Anesthesiology "Care of the Critically Ill or Injured," Dr. Howard Bromley. TOPIC: "Dysrhythmias" (SVT) Omni Hotel, Charleston, SC

June 1-5, 1993 - The American College of Cardiology "Cardiology for the Primary Physician." Omni Hotel, Charleston, SC

March 1994 - The American Board of Internal Medicine -- contribution of questions for use in a recertification program.

March 30, 1994 - East Central Georgia EMS - "The In's and Out's of Defibrillation." Radisson Hotel on the Riverwalk, Augusta, Georgia.

February 9, 1995 - Lecture "Coronary Artery Disease Treatment for the 90's". Florida Academy of Physician Assistants, Grosvenor Resort, Lake Buena Vista (Orlando), Florida.

March 19-22, 1995 - Lecture "Follow-up," American college of Cardiology, New Orleans, LA.

May 23, 1995 - Marion Merrell Dow, Inc., Lecture "Atrial Fib/Flutter," Horry County Medical Society, Myrtle Beach, SC

November 6, 1998 - Lecture, Greenville Memorial Hospital "Arrhythmias in the Elderly" Greenville Memorial Hospital, Greenville, SC

October 15, 1999 - Lecture, Greenville Memorial Hospital and Spartanburg Memorial Hospital "Management of PVC's and NSVT". Greenville, SC and Spartanburg, SC

April 8, 2000 – Lecture, Ocean Dunes/Sand Dunes Resort. “State of the Art” Technology.
 “Diagnostic Procedures, New AICD’s, Pacemakers, Drug Treatments”, Myrtle Beach, SC

May 31 – June 3, 2000 - Lecture, American College of Cardiology. Cardiology for the Primary
 Physician “Management of Regular Supraventricular Tachycardia”. Charleston Place
 Hotel, Charleston, SC

March 22-24, 2001 – Lecture “Office Practice of Primary Care Medicine”. Mills House Hotel.
 Charleston, SC.

May 30 – June 2, 2001 – Lecture, American College of Cardiology. Cardiology for the Primary
 Physician “Catheter Ablation of Arrhythmia. Current Indications and Results”
 Charleston Place Hotel, Charleston, SC

Community Service:

Hibben Methodist Church

Hobcaw Yacht Club

Board Member - Trident Fishing Tournament Committee of the Charleston County Park
 Commission.

Chairman - Trident Fishing Tournament Committee of the Charleston County Park Commission.

Bibliography:

Journals

1. Powell, EW, Leman RB. Connections of the nucleus accumbens. Brain Research
 1976;105:389-403.
2. Schabel SI, Korn JH, Rittenberg GM, Leman RB. Bone infarction in gout. Skeletal
 Radiology 1978;3:42.7.
3. Leman RB, et al: Pontine glioma. Obviously positive brain scan but unrewarding CT and
 angiogram: J Nuc Med 1979;20:462-4.
4. Leman RB, Assey ME. Heart disease and pregnancy. Southern Med J 1981; 74:944-6.
5. Leman RB, Assey ME. Thrombolytic therapy in acute myocardial infarction. Southern
 Med J 1983;76:71-5.
6. Kratz JM, Blackburn JG, Leman RB, and Crawford FA. Cardiac pacing under hyperbaric
 conditions. Ann Thor Surg 1983;36:66-8.

7. Lemman RB, Gazes PC. Pitfalls in pacemaker ECG interpretation. Part I. Primary Cardiology 1983;9:120-42.
8. Lemman RB, Gazes PC. Pitfalls in pacemaker ECG interpretations. Part II. Primary Cardiology 1983;9:77-83.
9. Lemman RB, Hendrix GH. The universal pacemaker. Pulse 6:33-4.
10. Kratz JM, Campbell WC, Lemman RB, Harvin JS. Steroid treatment of the painful pacemaker pocket. PACE 10984;7:71-3.
11. Lemman RB, Gazes PC. Management of the post-myocardial infarction patient. Primary Cardiology (Quick Reference Guides to Cardiovascular Medicine) 1984;Suppl #1:118-23.
12. Lemman RB, Kratz JM. Radionuclide evaluation of dual-chamber pacing: Comparison between variable AV intervals and ventricular pacing. PACE 1985;8:408-14.
13. Lemman RB. Acute MI: To pace or not to pace? Cardiology Emergency Decisions 1985;1:23-38.
14. Lemman RB, Kratz JM, Gazes PC. Permanent Cardiac Pacing in Patients on Chronic Renal Dialysis. Am H J 1985;110:1242-4.
15. James WE, Lemman RB, Assey ME. Use of combined calcium channel blockers for therapy of refractory angina pectoris. Journal of the SCMA 1986;82:65-8.
16. Lemman RB, Gillette PC, Zinner AJ. Resolution of congestive cardiomyopathy caused by supraventricular tachycardia using Amiodarone. Am Heart J 1986;112:622-4.
17. Pringle RA, Lemman RB, Kratz JM, Gillette PC. An argument for pacemaker reuse: Pacemaker mortality in 169 patients over 10 years. PACE 1986;9:1295-8.
18. Gillette PC, Ziegler V, Ross BA, Lemman RB, Zinner AJ. Amiodarone in children. Clinical Progress in Electrophysiology and Pacing 1986;4:328-30.
19. Hollins WJ, Lemman RB, Kratz JM, Gillette PC. Limitations of the long term clinical applications of rate hysteresis. PACE 1987;10:302.4
20. Lemman RB, Gazes PC. Pitfalls in pacemaker EKG interpretation: Pacemaker malfunction. Part I Primary Cardiology . 1987;13:31-4.
21. Lemman RB, Gazes PC. Pitfalls in pacemaker EKG interpretation: Pacemaker malfunction. Part II Primary Cardiology 1987;13:89-105.
22. Pringle RA, Lemman RB, Chaikhouni A. Association of a porcine mitral valve and

- development of a left ventricular aneurysm. *Journal of the SCMA* 1987;83:45
23. Carabello BA, Usher BW, Hendrix GH, Assey ME, Crawford FA, Leman RB. Prediction of outcome for aortic valve replacement in patients with aortic regurgitation and left ventricular dysfunction: A change in the measuring stick. *JACC* 1987;10:991-7.
 24. Kawanishi DT, Leman RB, Pratt CM, Rourke RA. Efficacy and safety of sustained release diltiazem as replacement therapy for beta blockers and diuretics in the treatment of patients with stable angina pectoris and coexisting essential hypertension. *Am J Cardiol.* 1987;60:291-351.
 25. Blum RA, DeVito JM, Pleasants RA, Cross RE, Gadsden RH, Leman RB. Lack of apparent effect of assay methodology on the pharmacokinetics of digoxin. *Therapeutic Drug Monitors* 1987;9:416-21.
 26. Makela EH, Davis SK, Pivaler K, Miller WA, Pleasants RA, Gadsden RH, Leman RB. Effect of data collection method on results of serum digoxin concentration audit. *Am J Hospital Pharmacy* 1988;45:125-30.
 27. Leman RB. Ventricular Arrhythmias: Mechanism, evaluation, and treatment. *Cardio* 1988;5:69-72.
 28. Miller GB, Leman RB, Kratz JM, Gillette PC. Comparison of lead dislodgement and pocket infection rates after pacemaker in the operating room versus catheterization laboratory. *Am Heart J* 1988;115:1048-51.
 29. Vallario LE, Leman RB, Gillette PC, Kratz JM. Pacemaker follow up and adequacy of Medicare guidelines. *Am Heart J* 1988;115:1048-51.
 30. Leman RB, Miller GB, Kratz JM, Gillette PC. Pacemaker implantation in the operating room versus the catheterization laboratory. *Cardiology Board Review* 1989;6:107-14.
 31. Leman RB, Spinale FG, Dorn GW, Cooper G, Spann JF, Gillette PC, Carabello BA. Supernormal ejection performance is isolated to the ipsilateral congenitally pressure overloaded ventricle. *J am Coll Cardiol* 1989;13:1314-9.
 32. Leman, RB, White JK, Kratz JM, Gillette PC. The potential utility of sensor driven pacing in DDD pacemakers. *AM heart J* 1989;118:919-23.
 33. Leman RB, McVenes RD, Kratz JM, Gillette PC. Programming eccentricities of an activity sensing pacemaker. *PACE* 1990;13:3-6.
 34. Kratz JM, Leman RB, Gillette PC. Forceps extractions of permanent pacing leads. *Ann*

- Thor Surg 1990;49:676-7.
35. Stewart D, Finch N, Kratz JM, Leman RB. Interventional treatment for ventricular arrhythmias. The initial South Carolina case. *J of the SCMA* 1990;86:351-5.
 36. Stewart D, Leman RB, Kaiser J, Mann DL. Catheter-induced tricuspid regurgitation: Incidence and clinical significance. *CHEST* 1991;99:651-5.
 37. Pritchard TM, Faust RT, Cantey JR, Leman RB. Prosthetic valve endocarditis due to *cardiobacterium hominis* occurring after upper gastrointestinal endoscopy. *Am J Med* 1991;90:516-8.
 38. Proctor EE, Leman RB, Mann DL, Kaiser J, Kratz JM, Gillette PC. Single vs dual chamber rate responsive pacing: comparison of cardiac outputs. *Am Heart J* 1991;122:728-32.
 39. Gwinn N, Leman RB, Kratz J, White JK, Zile MR, Gillette PC. Chronotropic incompetence: A common and progressive finding in pacemaker patients. *Am Heart J* 1991;123:1216-9.
 40. Virella G, Virella I, Leman RB, Pryor MB, Lopes-Virella MF. Antioxidized LDL antibodies in patients with coronary heart disease and normal healthy volunteers. *Int J Clin Lab Res.* 1993;23:1-7.
 41. Dorman BH, Conroy JM, Baker JD, Kratz JM, Leman RB. Cerebral monitoring during implantation of automatic internal cardiac defibrillators. *Southern Med J.* 1993;86:533-536.
 42. Finch NJ, Leman RB, Kratz JM, Gillette PC. Driving safety among patients with automatic implantable cardioverter defibrillators. *JAMA* 1993;270:1587-1588.
 43. Sneed NV, Finch NJ, Leman RB. The Impact of device recall on patients and family members of patients with automatic implantable cardioverter defibrillators. *Heart & Lung: The Journal of Critical Care; Heart Lung* 1994;23:317-22.
 44. Kratz JM, Schabel S, Leman RB. Pseudo Fracture of a defibrillating lead. *PACE* 1995;18:2225,2226.
 45. Finch NJ, Sneed NV, Leman RB, Watson J. Driving with an internal defibrillator: legal, ethical and quality of life issues. *J Cardiovasc Nurs* 1997;11(2):58-67.
 46. Luceri, R.M.. Initial Clinical Experience with a Dual Chamber Rate Responsive Implantable Cardioverter Defibrillator. *PACE* 2000; 23[Pt.II]:1986-1988.
 47. Singh, Steven, et al. Efficacy and Safety of Oral Dofetilide in Converting to and Maintaining Sinus Rhythm in Patients with Chronic Atrial Fibrillation or Atrial Flutter.

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48. Malanuk, RM, et al. Treatment of Coronary Artery Disease in Hemodialysis Patients: PTCA vs. Stent. *Catheterization and Cardiovascular Interventions* 54:450-463 (2001)
 49. Leman, Robert B., Editor. Sudden Cardiac Death A Tribute to Michael E. Assey, M.D. 1948-2000. *The Journal of the South Carolina Medical Association*, October 2001, V 97, N 10.
 50. Siachos, Arthur T, Leman, Robert B. Sudden Cardiac Death: Epidemiology. *The Journal of the South Carolina Medical Association*. October 2001, V97, N 10:410-416.
 51. Leman, Robert, et al. Atrial Fibrillation: New Understand, New Tools. *Patient Care*, January 30, 2002 in press
 52. Gold, Michael R., Leman, Robert B., Euler, David E. Effectiveness of Rapid Atrial Pacing for Termination of Drug Refractory Atrial Fibrillation: Results of a Dual chamber Implantable Cardioverter Defibrillator Trial. *Cardiac Electrophysiology Review* 2003; 7:328-331.
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