

CURRICULUM VITAE

Name: Bruce W. Usher, Sr. MD

Office Address:MUSC

Phone:843-792-4411

Fax:

Education (Beginning with Baccalaureate Degree):

Institution/Location	Years	Degree/Date (Mo/Yr)	Field of Study
Davidson College/Davidson, N.C.	1958-62	BS/1962	

Internship: (Madigan General Hospital) (07/01/66-06/30/67)

Residencies or Post Doctoral:

Brooke Army Hospital, San Antonio, Texas Internal Medicine 07/01/67-08/31/69
Brooke Army Hospital, San Antonio, Texas - Cardiology Fellowship 09-01-70-08/31/72

Specialty/Board Certification: Internal Medicine/Cardiovascular Disease
06/21/72, 07/27/74

Date:

Licensure: SC #5237
National Board of Medical Examiners

Date: 07/15/66
07/01/67

Military Service: US Army 07/01/66 - 06/30/73

Faculty Appointments (Begin with initial appointment):

Years	Rank	Institution	Department
09/01/75-06/30/79	Asst. Prof.	MUSC	Medicine
07/01/79-06/30/89	Assoc. Prof.	MUSC	Medicine
07/01/89-Present	Prof.	MUSC	Medicine

Administrative Appointments:

Years	Position	Institution	Department
09/01/75-11/01/00	Director of Echocardiography	MUSC	Medicine
11/01/04-Present	Director of Echocardiography	MUSC	Medicine
07/01/79-07/01/85	Director of Cardiac Catheterization Lab.		Medicine
07/01/79-07/01/83	Acting Assistant Director , Division of Cardiology		Medicine
07/01/83-07/01/85	Assistant Director, Division of Cardiology		Medicine
07/01/78-Present	Director Clinical Cardiology Fellowship Program		Medicine
11/01/00-2002	Interim Director Cardiology Division		Medicine

Hospital Appointments/Privileges:

Years	Active/Inactive	Institution
09/01/75-Present	Active	Medical University Hospital
09/01/75-Present	Active	Ralph H. Johnson Veterans Hospital

Other Experience:

Years	Position	Institution	Department
1972-1973	Chief of Cardiology	Fort Gordon Army Hospital, Augusta, Georgia	
1973-1975	Private Practice	Bennettsville, South Carolina	
1969-1970	General Medical Officer	Americal Division Chui Lai Vietnam	

Membership in professional/scientific societies (include offices held):

National Societies

American College of Cardiology, Fellow (Dec. 1974) Governor 1982-1985
Governor's Council 1985-1990

American College of Physicians, Fellow (April 1975) Governor 1990-1994

American Heart Association, Council on Clinical Cardiology, Fellow (March, 1976)

American College of Chest Physicians, Fellow (March, 1982)

American Society of Internal Medicine, Member (1973-Present)

American Heart Association S.C. Affiliate

Member (1973-Present)

Board of Directors 1978 - 1995

Vice-President 1984 - 1985

President-Elect 1985 - 1986

President 1986 - 1987

American Society of Echocardiography Member (1975-Present)

South Atlantic Cardiovascular Society Member (1978-Present)

Society for Cardiac Angiography and

Interventions

Fellow 1992

University Medical Associates

Board of Directors

Member 1995-1998

Association of Professors of Cardiology Member (Feb 1,
2001 -Present)

Local Societies

South Carolina Medical Association Member (1983-Present)

Charleston County Medical Society Member (1975-Present)

Editorial Positions: Echocardiography: A Review of Cardiovascular Ultrasound

1983 - present

Reviewer - American Journal of Cardiology 1984 - present

Reviewer - Journal American Society of Echocardiography 1995-Present

Reviewer - Chest 1983-Present

Extramural Grants/award amount (current and past):

As Principal Investigator (% time)

99m Technetium Pyrophosphate Myocardial Scan in Patients With
Coronary Artery Disease, Previous Anterior or Anterior Septal
Wall Myocardial Infarction and Segmental Contraction
Abnormalities of the Left Ventricle - Etiology and Significance.
Principal Investigator: Bruce W. Usher, M. D.
Co-Principal Investigator: Larry E. Kibler, M. D.
Funding: State Biomedical Research Funding, 1978 - 1979.

Afterload Reduction in Mitral Insufficiency - Effect on Exercise
Tolerance

Funding: State Biomedical Research Funding , 1980 - 1981.

Platelet Aggregation in Mitral Valve Prolapse Syndrome.

Principal Investigator: Bruce W. Usher, M. D.

Funding: State Biomedical Research Funding, 1978 - 1979

South Carolina Heart Association , 1980 - 1981.

As Co-Investigator (% time) None

Intramural Grants/amount of award:None

Awards, Honors, Membership in Honorary Societies:

AOA

Laureate Award SC Chapter American College of Physicians

Fellow: American College of Cardiology

American Heart Association

American College of Chest Physicians

American Society of Echocardiography

Society for Cardiac Angiography and Interventions

Academic Committee Activities (past 5 years):

University: Tenure Committee

College

Department: Peer Review Committee

Division

CURRICULUM VITAE FORMAT (Continued)

Appendix 6

Major Teaching Responsibilities (Current):

Undergraduate Medical Education: Lecture

Graduate Medical Education: Director of Cardiovascular Fellowship Training program

Graduate Studies Education

Continuing Medical Education: Annual Cardiology at Spoleto Meeting - Speaker

Major Clinical Interests and Responsibilities: Echocardiography, Doppler

Valvular Heart Disease

Lectures and Presentations Invited Speaker

Update in Cardiology for the Primary Care Physician, ACC
Charleston, SC June 1 - 4, 2002.

Update in Cardiology for the Primary Care Physician, ACC
Charleston, SC June, 2003.

MUSC Dept of Medicine Grand Rounds: Respiratory distress in a
woman with a past history of esophageal carcinoma Sept.2003

North Carolina Ultrasound Society State Meeting: Role of Echo
Doppler in Septal Ablation for Hypertrophic Cardiomyopathy
Asheville, North Carolina March 2004

North Carolina Ultrasound Society State Meeting: Role of Echo
Doppler in Evaluation of Prosthetic Valves
Asheville, North Carolina March 2004

MUSC Dept of Medicine Grand Rounds: Complications in a Patient
with Lupus, Feb. 2004

Update in Cardiology for the Primary Care Physician, ACC
Charleston, Role of Echo Doppler Evaluation in the Patient
with Atrial Fibrillation SC May, 2004.

Update in Cardiology for the Primary Care Physician, ACC
Charleston, SC Value of Echo Information For Treatment of
Patient with Congestive Heart Failure June 2, 2005.

Cardiology Grand Rounds MUSC: Who, What, Where, When, How Often
February 2006

Update in Cardiology for the Primary Care Physician, ACC
Charleston, Echocardiography in Stroke Patient, May, 2006.

Update in Cardiology for the Primary Care Physician, ACC
Charleston, May, 2007.

Update in Cardiology for the Primary Care Physician, ACC
Charleston, Echo Assessment of Syncope, May, 2008.

Selected for Presentation:

1. International Symposium on Modern Concepts in Endocarditis and Cardiovascular Infections: Nocardia Endocarditis and Myocarditis in Immunocompromised Patient. Haile J, Wray D, Taylor MH, Usher B
Charleston S.C. May, 2005
2. Carcinoid Heart Disease A Rare case of Myocardial Involvement, Craig M, Taylor MH, Usher B
South Carolina Chapter American College of Physicians Annual Meeting:- Awarded First Place Associates competition of Clinical Vignette Oct 2005 Presented at National ACP Annual Meeting
3. South Carolina Chapter American College of Physicians Annual Meeting 2008: A Quick Recovery from Tachycardia-induced Cardiomyopathy. Rajendra A, Swick J, Coker J, Usher B
4. South Carolina Chapter American College of Physicians Annual Meeting 2008: Aspirin and Plavix Resistance. Coker JB, Rajendra A, Swick J, Usher B, Merriam J

Extramural Professional Activities:

Community Service:

Publications: Number and list in chronological order publications under the following headings in the order shown.

Peer Reviewed Journal Articles

1. Usher, BW and Popp, RL: Electrical Alternans: Mechanism in Pericardial Effusion. American Heart Journal 83:459, 1972.
2. Usher, BW; Goulden, D; Murgu, JP: Echocardiographic Detection of Supraaortic Aortic Stenosis. Circulation LXIX:1257, 1974.
3. Assey, ME; Stalheim, RM; Usher, BW: Ventricular Septal Defect With Aneurysm of the Membranous Septum Presenting As A Continuous Murmur. Chest: 75:504-506, 1979.
4. Assey, ME; Usher, BW: Development of Aortic Vegetations During Appropriate Antibiotic Therapy - Demonstrated Through Serial Echocardiography. Chest 76:223-225, 1979.
5. Usher, BW; Lizarralde, G: Guest Editors Symposium - Perspectives In Cardiology. Journal of South Carolina Medical Association 75:September, 1979.
6. Hendricks, CW; Usher, BW: Mitral Valve Prolapse: A Review. Journal of South Carolina Medical Association 75:400-402, 1979.

7. Usher, BW; Hendrix, G: Severe Acute Aortic Regurgitation: Early Recognition and Management of Life-Threatening Syndrome. J. Cardiovascular Medicine 5:169-181, 1980.
8. Sade, R; Usher, BW: Vasodilator Therapy in Congestive Heart Failure. Letters to Editor, Circulation 62:1143-1144, 1980.
9. Assey, ME; Usher, BW: Echocardiography in Diagnosing and Managing Aortic Valve Endocarditis. Southern Medical Journal 74:558-565, 1981.
10. Katz, JM; Usher, BW; Sade, RM; Gaddy, JE: Systemic Thromboembolism From A Ventricular Septal Patch. Chest: 78:774-775, 1980.
11. Hatem, J; Sade, RM; Taylor, A; Usher, BW; Upshur, JK: Supernumerary Mitral Valve Producing Subaortic Stenosis. Chest 79:483-486, 1981.
12. Usher, BW: Vasodilator Therapy In Congestive Heart Failure. Medical Times 110: 91 - 96, 1982.
13. Usher, BW: Role of Echocardiography In Evaluating Patients With Congestive Heart Failure. Medical Times 110:78-90, 1982.
14. Stanley, JH; Hanger, KH; Usher, BW; Grayson, JM; Ross, P; Schabel, SI: Noninvasive Diagnosis of a False Left Ventricular Aneurysm. Journal of Computerized Axial Tomography 6:17-21, 1982.
15. Assey, ME; Usher, BW; Crawford, FA: Diagnosis and Management of Infective Endocarditis. Infections in Surgery vol. 2, 418-430, 1983.
16. Usher, BW: Echocardiographic Assessment of Patients with Bioprosthetic Valves. Echocardiography:1:311-332, 1984.
17. Hanger, KH; Goodman, R; Usher, BW et al: Salmonella Enteritis Aortic Valve Endocarditis. Southern Medical Journal, Vol.78:1023-1024, Aug. 1985.
18. Usher BW: Non-isotopic Cardiovascular Diagnostic Imaging. Proceedings of Twenty-Sixth Annual Meeting Southeastern Chapter Society of Nuclear Medicine XIII 1-6, 1985.
19. Hendrix, GH; Gensini, GG; Ludbrook, PA; & Usher, BW: Comparison of Diazepam & Midazolam for Conscious Sedation in Patients Undergoing Cardiac Catheterization & Angioplasty. Anes. Review vol XII, No.35 70-73, May/June, 1985.

20. Assey, ME; Walters, GL; Hendrix, OH; Usher, BW et al: Incidence of Acute Myocardial Infarction in Patients with Exercise Induced Silent Myocardial Ischemia. American Journal of Cardiology, 59: 497-500, 1987.
21. Carabello, BA, Usher, BW, Hendrix GH, et al: Predictors of Outcome for Aortic Valve Replacement in Patients with Aortic Regurgitation and left Ventricular Dysfunction: A Change in the Measuring Stick. J Am Coll Cardiol. 1987; 10: 991-7.
22. Pepkowitz SH, Lazarchick J, and Usher, BW: Spontaneous Formation of an anti s. alloantibody in Association with Mixed Connective Tissue Disease. Annals of Clinical and Laboratory Science 1987; 17 No. 1, 60-62, 1987.
23. Usher, BW, Assey ME, Spann JF: Thrombolytic Therapy in Acute Myocardial Infarction. Cardiovascular Disease and Chest Pain 1987: 3 #6 P. 3-8.
24. White, JK, Hendrix GH, Usher BW, et al: Detection of Coronary Artery Disease with Dobutamine Thallium Imaging. Journal Nuclear Med. 1988: 29, 901
25. Usher BW: Non Isotopic Cardiovascular Diagnostic Imaging Journal of Nuclear Medicine.
26. Trask, JL, Bell AE, Usher, BW: Doppler Color Flow Imaging in Detection and Mapping of Left Coronary Artery Fistula to Right Ventricle and Atrium. Journal of the American Society of Echocardiography. Vol. III #2, 1990. Pages 131-134.
27. Trask, JL, Trask NW, Cushing, WJ, Butler HE, Usher, BW: Intravenous Streptokinase Therapy for Acute Myocardial Infarction in a Community Hospital: Effect on Ventricular Function and Mortality. Journal of the S.C. Medical Association. Vol. 85 (11) 1989; Pages 503-506.
28. Assey, ME, Usher BW, Hendrix GH: Valvular heart Disease: Use of Invasive and Noninvasive Techniques in Clinical Decision-Making. Part 1: Aortic Valve Disease. Modern Concepts of Cardiovascular Disease. Vol. 58, Number 10, October 1989.
29. Mann, DL, Usher BW, Hamerman S, Bell AE, Gillam, LD: The Fractional Shortening Velocity Ratio: Validation of a New Echocardiographic Doppler Method for Identifying Patients with Significant Aortic Stenosis. Journal of the American College of Cardiology. Vol. 15, #7. June 1990. Pages 1578-1585.

30. Assey ME, Usher BW, Hendrix GH. Valvular Heart Disease: Use of Invasive and Non-invasive Techniques in Clinical Decision Making. Part II: Aortic Valve Disease. Modern Concepts of Cardiovascular Disease, 1989: 58: 61-66, 1989.
31. Jolley, R, Lydiard, RB, Assey, ME, Usher BW, Barnwell WH, Ballenger JC. Cardiovascular Status of Panic Disorder Patients with and Without Prominent Cardiac Symptoms. 1991, Psychomatics Journal, Vol. 33, Number 1, 1992, pp. 81-84.
32. Zile MR, Tomita M, Nakano K, Mirsky I, Usher BW, Lindroth J, & Carabello BA. Effects of Left Ventricular Volume Overload Produced by Mitral Regurgitation ON Diastolic Function. Am. J. Physiol. 261 Heart Circ. Physiol.30): H1471 - H1480, 1991.
33. Rozich JD, Carabello BA, Usher BW, Kratz JM, Bell AE, Zile MR Mitral Valve Replacement With and Without Chordal Preservation in Patients with Chronic Mitral Regurgitation: Mechanism for Differences in Postoperative Ejection Performance. Circulation, Vol 86, No. 6, pp. 1718-27. Dec 1992.
34. Reeves ST, Handy JR, Usher BW. The Utility of Intravascular Ultrasound in Evaluating Pulmonary Artery Anastomosis in a Lung Transplantation Swine Model. Anesth Analg 1997; 84: 1164-70.
35. Arnett DK, Rautaharju P, Sutherland S, Keil J, and Usher, BW: Validity of Electrocardiographic Estimates of Left Ventricular Hypertrophy and Mass in African Americans (The Charleston Heart Study) American Journal of Cardiology Vol 79, May 1997
36. Malanuk R., Nielsen C., Theis P, Assey, M., Usher BW, Leman RB: Treatment of Coronary Artery Disease in Hemodialysis Patients. PTCA versus Stent. Catheterization and Cardiovascular Interventions: 54: 459-463. (2001)
37. Cardiovascular Status of Panic Disorder Patients with and without Prominent Cardiac Symptoms. Jolley R, M.D., Lydiard, RB, Ph.D., M.D. Assey, ME, M.D., Usher BW, M.D., Barnwell, WH M.D., Ballenger JC, M.D. Medical University of S.C. Psychosomatics Journal 1991.
38. Atrioventricular Block in Familial Amyloidosis;Revisiting an Old Debate. Payne CE,MD, Usher BW, MD The Journal of the South Carolina Medical Journal 103 June 2007 PP 118-121

ABSTRACTS

1. Usher BW and McGranahan GM: Syndrome of Exertional Syncope, Functional Coronary Insufficiency and Death in Young Males. Circulation (Abstract) XLVI Number 4, 231, 1972.
2. Hendrix GH; Usher BW: A Comparison of Midazolam and Diazepam for Sedation During Cardiac Catheterization. Clinical Research 31:706A, 1983 (Abstract)
3. Hendrix GH; Harper FE; Usher BW; and Gordon L: Thallium cold pressor stress tests in patients with scleroderma. (Abstract) S.E. Chapter of Society of Nuclear Medicine, Hollywood, Florida - October 23-26, 1985
4. Hendrix GH; Harper FE; Usher BW; and Gordon L: Thallium cold pressor stress tests in patients with scleroderma. Clinical Nuclear Medicine 10 (36), 1985 (Abstract)
5. Usher BW: Non-isotopic Cardiovascular Diagnostic Imaging. Clinical Nuclear Medicine 10 (supplement) p 8, 1985 (Abstract).
6. Assey ME, Walters GL, Hendrix GH, Carabello BA, Usher BW, and Spann JF, Jr. : Incidence of Acute Myocardial Infarction in Patients with Exercise-Induced Silent Myocardial Ischemia. Circulation Suppl.
7. Hammerman S, Gillam LD, Bell A, Usher BW, Mann DL: The Shortening-Velocity Ratio : A New Echocardiographic-Doppler method for Identifying Patients with Critical Aortic Stenosis. Clinical Research 1988: 36, 282A
8. Usher BW, Dorn GW, Bell AE, Spann JF Jr., Carabello BA: Changes in Contractility by Calcium Channel Blockers: A Load Independent Assessment. Circulation Vol. 76 Supp. IV 155 Oct. 1987.
9. Rozich JD, Carabello BA, Usher BW, Kratz JM, Bell AE, Zile, MR: A Mechanism by Which Ejection Performance is Preserved Following Mitral Valve Repair but not Replacement for Chronic Mitral Regurgitation. Accepted for presentation; AHA Annual Meeting Nov. 1991.
10. Assey ME, Zile MR, Usher BW, Karavan MP, Carabello BA. Catheter Positioning Dramatically Affects Gradient Measurement in Aortic Stenosis. Poster Presentation; American Heart Association National Meeting, New Orleans November 1992.

B.W. Usher, M.D.

Non-Peer Reviewed: Published non-peer reviewed journal articles

1. Usher, BW: Hemorrhagic Thombocytomia, Progress Notes, Brooke General Hospital XI March 1, 1968.
2. Usher, BW: Tuberos Sclerosis, Progress Notes, Brooke General Hospital XII, October 11, 1968.
3. Usher, BW: Central Nervous System Sarcoid. Progress Notes, Brooke General Hospital XIII, January 17, 1969.
4. Usher, BW: Antiarrhythmia Drugs, Part I, Quinidine. Progress Notes, Brooke General Hospital XV, July 30, 1971.
5. Usher, BW: Antiarrhythmia Drugs, Part II, Procainamide. Progress Notes, Brooke General Hospital XV, August 6, 1971.
6. Usher, BW: Antiarrhythmia Drugs, Part III, Lidocaine. Progress Notes, Brooke General Hospital XV, August 13, 1971.
7. Assey ME, Usher BW, and Spann JF: Silent Myocardial Ischemia, an Evolving Concept. The Emory University Journal of Medicine. J. Willis Hurst, M.D., Editor. 2: 158-169, 1988.

B.W. Usher, M.D.

Scholarly Books and Monographs: None

Chapters in Scholarly Books and Monographs:

Assey ME, Usher BW, Carabello BA and Spann JF, Jr.: The Patient with Valvular Heart Disease (Chapter XXVII) Diagnostic and Therapeutic Cardiac Catheterization. Pepine CJ, Hill JA, Lambert CR, eds., Williams and Wilkins, Baltimore, Maryland, 1989, pp 471-507.

Usher, BW, Assey ME, Leman RB, Spann JF, Jr. : Intravenous Streptokinase or Tissue Plasminogen Activator as Initial Therapy of Myocardial Infarction. In: Critical Care: State of the Art, Volume 10 (Book Chapter - Publication of the Society of Critical Care Medicine)

Carabello, B.A., Usher, B.W., Gwinn, N.S.: Cardiology (Chapter II). IN: Critical Care Pearls. S.A. Sahn, J.E. Heffner, Editors. Hanley & Belfus, Inc., Philadelphia. Pages 63-112. 1989.

___Usher BW. Valve Surgery: indication and long-term results. Current Opinions in Cardiology 1991, 6: Pages 219-224.

___Usher BW Cardiac Valvular Disease and Stroke. Neurologic Clinics, Vol.11 No. 2, pp. 391-398. May 1993.

Assey ME, Usher BW, Carabello BA: The patient with Valvular Heart Disease (Chapter 34) Second Edition. In: Diagnostic and Therapeutic Cardiac Catheterization. Pepine CJ, Hill HA, Lambert CR, Eds., Williams and Wilkins, Baltimore 1994.

Assey ME, Usher BW, Carabello BA: The Patient with Valvular Heart Disease (Chapter 40) Second Edition. In: Diagnostic and Therapeutic Cardiac Catheterization, Pepine CJ, Hill HA, Lambert CR Eds., Williams and Wilkins, Baltimore.

Peer Reviewed Electronic Publications: None

Non-Peer Reviewed Electronic Publications:None

Other Publications: (e.g., newspapers and magazines)None

B.W. Usher, M.D.

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