

**CURRICULUM VITAE
OKIKE NSIDINANYA OKIKE, M.D.**

Current Academic Position:

Professor of Surgery (with Tenure)
UMass Memorial Medical Center
August 1992

Business Address:

Division of Thoracic and Cardiac Surgery
UMass Memorial Medical Center
55 Lake Avenue North
Worcester, Massachusetts 01655
Tel: 508-856-3962
Fax: 508-856-3740

Education and Degrees:

1961

H.S.C. Certificate
University of Cambridge
Cambridge, United Kingdom

1969

Doctor of Medicine
Karl Eberhard University
Tuebingen, West Germany

1974

Completed requirements for
Master of Science (Physiology)
University of Minnesota
Minneapolis, Minnesota

Post Graduate Training:

Internship:

1970 – 1971	Intern Surgery Wertingen County Hospital Wertingen, West Germany
1971 – 1972	Intern Surgery Albert Einstein College of Medicine New York, New York

Residency:

1972 – 1977	General Surgery Mayo Clinic Rochester, Minnesota
1977 – 1979	Thoracic and Cardiovascular Surgery Mayo Clinic Rochester, Minnesota

Research Fellowships:

1974 – 1975	Neural and hormonal control of the lower esophageal sphincter and gastric fundus. C.F. Code, M.D., Ph. D. K.A. Kelly, M.D. Surgical Research Laboratory Mayo Graduate School of Medicine Rochester, Minnesota
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Clinical Fellowships:

1978	Anatomy of Congenital Heart Malformation Maurice Lev, M.D. Saroja Bharati, M.D. Congenital Heart Research and Training Center Chicago, Illinois
1979	Congenital Heart Surgery Dwight McGoon, M.D. Gordon Danielson, M.D. Robert Wallace, M.D. Francisco Puga, M.D. Mayo Clinic Rochester, Minnesota

Honors/Awards:

1959	Shell B.P. Parker Prize
1969	“Sehr gut” – M.D. Degree (Highest Distinction) Graduated as the top student in the examination group
1978	Howard K. Gray Travel Award
1978	Sigma Xi, Mayo Foundation Chapter
1993	Distinguished Scholarly Achievement University of Massachusetts, Boston
1998-2006	The Best Doctors in America Woodward and White, Inc. Publication
2006	The Top Doctors Boston Magazine

Licenses and Board Certifications:

April 10, 1979	American Board of Surgery #24658
May 23, 1980	American Board of Thoracic Surgery #0003605
Board Re-certification December 31, 1988	American Board of Thoracic Surgery #0003605
Board Re-certification December 31, 2000	American Board of Thoracic Surgery #0003605
1976	Minnesota #0234164
1979	Massachusetts #45259

Academic Positions:

1980 – 1985	Assistant Professor of Surgery UMass Memorial Medical Center
1985 – 1990	Associate Professor of Surgery with Tenure UMass Memorial Medical Center
1990 – Present	Professor of Surgery with Tenure UMass Memorial Medical Center Worcester, Massachusetts

Professional/Administrative Appointments:

1980 – 1988	Director, Cardiac Research Laboratory UMass Memorial Medical Center
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Worcester, Massachusetts

Professional/Administrative Appointments:

Cont...

1992 – 2001
Surgery

Vice Chairman, Division of Thoracic & Cardiac

UMass Memorial Medical Center
Worcester, Massachusetts

1992 – 2001

Associate Director,
Thoracic Surgery Residency Program
UMass Memorial Medical Center
Worcester, Massachusetts

Research Activities: Principal Investigator

*Co-investigator:

<u>Funding Agency and Dates:</u>	<u>Title of Research:</u>	<u>Amount:</u>
1980 – 1984	Platelet Retention in Coronary Bypass Vein Grafts	
Squibb & Sons, Inc. 1984 – 1985	Efficacy of Nadolol in the Prevention of Supraventricular Tachyarrhythmias Following Coronary Artery Revascularization	\$87,000
Bard 1986 – 1987	Animal Investigation of Coronary Sinus Cardioplegia	\$63,000
*USCI II 1986 – 1987	Human Investigation of Coronary Sinus Retroperfusion	\$125,743
*N.I.H. 1987 – Present	Bypass Angioplasty Research Investigation	\$1,700,000
*1988 – 1990	Regional Cardioplegic Arrest During Early Reperfusion	
1989 – 1992	Intermittent Cold Blood Cardioplegia: Metabolic and Functional Status of the Ventricles in Humans	
1990 – 1994	Continuous Warm Blood Retrograde Cardioplegia: Metabolic and Functional Status of the Ventricles in Humans	

Research Activities: Principal Investigator*Co-investigator: Continued ...

1995	Prospective Randomized Study Comparing the Incidence of Cerebral Vascular Accident (stroke) in Patients Managed with Either Single or Multiple Aortic Clamping During Coronary Bypass Operation	
*Smith and Nephew 1996 – 1998	Video-Assisted Cardiac Surgery	\$350,497
Heart-Tech 1999 – 2002	Evaluation of Heart-Tech Device (Phase I)	\$45,737

Membership in Professional Societies:

1978	Sigma Xi, Mayo Foundation Chapter
1980	American Medical Association
1980	Worcester Medical Society
1980	Massachusetts Medical Society
1981	American College of Cardiology - Fellow
1981	American College of Chest Physicians - Fellow
1981	American Heart Association
1981	American Heart Association Council on Cardiovascular Surgery
1981	New York Academy of Sciences
1983	American Society of Thoracic Surgeons
1985	International Working Group on Coronary Sinus Interventions
1985	American College of Surgeons – Fellow
1990	American Association for Thoracic Surgery

External Committees:

1982 – 2002	NHLBI Bypass Angioplasty Research Investigation a. Steering Committee b. End-point Committee c. Surgery Committee
1982 – 1994	Executive Member, International Working Group on Coronary Sinus Intervention
1985 – 1993	Worcester Foundation Physicians Research Roundtable Committee
1990 – 1995	American College of Cardiology Technology Assessment Committee
1995 – Present	Worcester District Medical Society Membership Committee
1995 – 2002	NHLBI Bypass Angioplasty Research Investigation a. Extent of Revascularization Working Group b. Age, Gender, Race Working Group
2001 - Present	Worcester District Medical Society Scholarship Comm.

Internal Committees:

1980 – 1984	Intensive Care Unit Committee
1980 – 1984	Animal Care Advisory Committee
1980 – 1984	Medical School Admissions Committee
1981 – 1982	Member, Search Committee for Chairman, Division of Pediatric Surgery
1982 – 1983	Member, Search Committee for Chairperson, Division of Research
1988 – 1995	Worcester Medical Society Credential Committee
1988 – Present	Chairman, Promotions and Tenure Committee Department of Surgery
1992 – 1995	Committee for the Protection of Human Subjects in Research
1992 – 1995	Member, Search Committee for Chairperson, Department of Pathology

1993 – 1994	Member, Worcester Strategy Task Force
<u>Internal Committees</u> continued ...	
1994 – 1995	Member, Search Committee for Chairperson, Department of Surgery
1994 – 2002 Committee	Chairman, Productivity and Compensation Department of Surgery
2002 - Present	Member, Productivity and Compensation Committee Department of Surgery
1995 – 1997	Ad Hoc Group on Salary/Gender Equity
1995 – Present	Member, Faculty Council University of Massachusetts Medical School
1996 – 2000	Member University of Massachusetts Physician System
1998 – Present	Chairman, Personnel Action Committee Department of Surgery
1998 – Present	Member, Personnel Action Committee University of Massachusetts Medical School
1999 – 2001	Professional Practice Subcommittee, UMass Memorial Medical Center
2001 - 2002	Member Search Committee for Chairperson, Department of Orthopedics
2006 – Present	Co-Chairman, Personnel Action Committee University of Massachusetts Medical School
<u>Editorial Boards/Manuscript Reviewer:</u>	
	Chest Archives of Surgery Practical Cardiology New England Journal of Medicine New York State Journal of Medicine The Annals of Thoracic Surgery The Journal of Critical Illness
<u>Community Activities:</u>	
1983 – 1994	Soccer Coach
1988 – 1998	Bancroft School Board of Trustees

a. Executive Committee b. Education Committee

1992 – 1995 Worcester Aids Project (Director)

Community Activities continued ...

1992 – 1993 Participant Worcester Medical Society
Business/Politicians Internship Program

1997 – 2000 Co-Chair Phillips Andover Parents Fund

1999 – Present Member Board of Trustees
Worcester Foundation for Biomedical Research

UMass Memorial Health Care Governance:

2005 – Present Member Board of Trustees
UMass Memorial Health Care

2005 – Present Member Patient Care Assessment Committee
of the Board of Trustees UMass Memorial Health
Care

Bibliography:

1. Okike O.N., Tuebingen University, West Germany. M.D. Thesis: *The Growth of the Fibula After Implantation in the Talus of Children with Tibia Aplasia*. 1970.
2. Okike O.N. and Kelly K.A. *Enhancing Accomodation of Canine Gastric Fundus With Pentagastrin*. *Gastroenterology*. 86:964, 1975.
3. Okike O.N. and Kelly K.A. *Vagotomy Impairs Pentagastrin-Induced Relaxation of Canine Gastric Fundus*. *The Physiologist*. 18:338, 1975.
4. Okike O.N. and Bernatz P.E. *The Role of the Deep Femoral Artery in Revascularization of the Lower Extremity*. *Mayo Clinic Proceedings*. 51:209, 1976.
5. Okike O.N. and Woolner L.B. *Carcinoid Tumors of the Lung*. *Annals of Thoracic Surgery*, 22:270, 1976.
6. Okike O.N., Wiland L.H., Anderson M.J. and Adson M.A. *Stromal Invasion of Cancer in Pedunculated Adenomatous Colorectal Polyps: Significance for Surgical Management*. *Archives of Surgery*, 112:527, 1977.
7. Okike O.N., Bernatz P.E. and Woolner L.B. *Localized Mesothelioma of the Pleura: Benign and Malignant Variants*. *J. Thoracic and Cardiovascular Surgery*, 75:363, 1978.
8. Okike O.N., Bernatz P.E., Payne W.S., Woolner L.B. and Leonard P.F. *Bronchoplastic Procedures in the Treatment of Carcinoid Tumors of the Tracheobronchial Tree*. *J. Thoracic and Cardiovascular Surgery*, 76:281, 1978.

9. Anderson M.J., Okike O.N. and Spencer R.J. *The Colonoscopy in Cecal Volvulus*. Diseases of the Colon and Rectum, 21:71, 1978.

Bibliography continued...

10. Okike O.N. and Bernatz P.E. *Surgical Importance of the Deep Femoral Artery: Analysis of 43 Selected Cases Treated by Revascularization of the Deep Femoral Artery*. Current Surgery, May/June 1978.
11. Okike O.N. and Kelly K.A. *Vagotomy Impairs Pentagastrin-Induced Relaxation of the Canine Gastric Fundus*. American Journal of Physiology, 1:E504-509, 1977.
12. Okike O.N., Payne W.S. Cortese D.A. and Dines D.E. *Pericardial Reconstruction of the Membranous Trachea Following Resection of Adenoid Cystic Carcinoma (Cylindroma)*. Mayo Clinic Proceedings, July 1978.
13. Okike O.N., Weiland L.H., Anderson M.J. and Adson M.A. *Surgical Management of Pedunculated Adenomatous Polyps*. Modern Medicine, 170, 1977.
14. Okike O.N., Payne W.S., Neufeld D., Bernatz P.E., Pairolero P.C. and Anderson D.R. *Esophagomyotomy versus Forceful Dilation for Achalasia of the Esophagus (results in 899 patients)*. Annals of Thoracic Surgery, 28:119, 1979.
15. Okike O.N. *Achalasia: Myotomie hat sich bewarht*. Selecta 40:3504,, 1979.
16. Okike O.N., Bernatz P.E., Woolner L.B. *Localized Mesothelioma of the Pleura: Benign and Malignant Variants*. Yearbook of Cancer 214, 1979.
17. Okike, O.N., Bernatz P.E., Payne W.S., Woolner L.B. and Leonard P.F. *Bronchoplastic Procedures in Treatment of Carcinoid Tumors of Tracheobronchial Tree*. Yearbook of Surgery 218, 1979.
18. Vander Salm, T.J., Haffajee C.I. and Okike O.N. *Transvenous Insertion of Double Sets of Permanent Electrodes Through a Single Introducer: Clinical Application*. Annals of Thoracic Surgery 32:307, 1981.
19. Vander Salm. T.J., Okike O.N., Cutler B.S., Paraskos J.A., Ferullo J. and Daggett W. *Improved Myocardial Preservation by Improved Distribution of Cardioplegic Solutions*. J. of Thoracic and Cardiovascular Surgery 83:767, 1982.
20. Vander Salm T.J., Cutler B.S. and Okike O.N. *Brachial Plexus Injury Following Median Sternotomy, II*. J. of Thoracic and Cardiovascular Surgery 83:914, 1982.
21. Vander Salm T.J. and Okike O.N. *Simple Method of Teaching Coronary Artery Surgery*. Annals of Thoracic Surgery 31:480, 1981.
22. Okike O.N., Bernatz P.E., Woolner L.B. *Surgical Treatment of Carcinoid Tumors of the Tracheobronchial Tree*. Yearbook of Oncology, 1981.

23. Cutler B.S., Okike O.N. and Vander Salm T.J. *Surgical versus Percutaneous Removal of the Intra-aortic Balloon*. J. of Thoracic and Cardiovascular Surgery 86:907-911, December 1983.

Bibliography continued...

24. Vander Salm T.J., Okike O.N., Cutler B.S., Paraskos J.A., Ferullo J. and Daggett W. *Distribution of Cardioplegia Solution During Bypass Grafting*. J. of Thoracic and Cardiovascular Surgery 85:474-475, March 1983.
25. Okike O.N., Bernatz P.E., Payne W.S., Woolner L.B. and Leonard P.F. *Bronchoplastic Procedures in Treatment of Carcinoid Tumors of Tracheobronchial Tree*. Plastic and Reconstructive Surgery, February 1984.
26. Okike O.N., Espinosa E.J., Doherty P.H., Vander Salm T.J., Marsicano T.H., Wheeler H.B. *The Effect of Thromboxane Synthetase Inhibitor on Platelet Retention in Aorto-Coronary Bypass Vein Grafts*. Circulation 70:4 Part II-348, October 1984.
27. Okike O.N., Phillips D., Hsi C., Gore J.M., Vander Salm T.J., Marsicano T.H., Alpert J.S. *Efficacy of Coronary Sinus Cardioplegia (CSCP) During Two Hours of Hyperkalemic Arrest of Hypertrophied Left Ventricle*. Circulation 72:III-394, October 1985.

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28. Gore J.M., Weiner B.H., Sloan K.S., Benotti J.R., Okike O.N., Cuenoud H.C., Gaca J.M., Alpert J.S., Dalen J.E. *Preliminary Experience with Synchronized Coronary Sinus Retroperfusion in Humans*. Circulation 74, No. 2, 381-388, 1986.
29. Okike O.N. *The Role of Platelets and Platelet Inhibitors in Aortocoronary Vein Graft Occlusive Disease*. Cardiac Chronicle I, 4, 1986.
30. Okike O.N., Phillips D., Hsi C., Gore J.M., Vander Salm T.J., Mojica W.A., and Alpert J.S. *Pulsatile Cardioplegia Retroinfusion*. Proceedings of 2nd International Symposium on Myocardial Protection via the Coronary Sinus. No. 49, Page 32, 1986.
31. Okike O.N., Phillips D., Hsi C., Gore J.M., Vander Salm T.J., Mojica W.A., Alpert J.S. *Pulsatile Cardioplegia Retroinfusion*. Chest, 89:4875, 1986.
32. Gore J.M., Weiner B.H., Okike O.N., Benotti J.R., Sloan K.M., Vander Salm T.J., Gaca J.M., Ball S.P., Alpert J.S., Dalen J.E. *Recent Experience with Synchronized Sinus Retroperfusion (W.Mohl et al. Ed)*. The Coronary Sinus. Darmstadt: Steinkopf Verlag, 1986.
33. Weiner B.H., Gore J.M., Sloan K.M., Benotti J.R., Gaca J.M., Okike O.N., Vander Salm T.J., Ball S.P., Carrero J.M., Alpert J.S. and Dalen J.E. *The Role of Synchronized Coronary Sinus Retroperfusion During LAD Angioplasty*. Proceedings of 2nd International Symposium on Myocardial Protection Via the Coronary Sinus. No. 38, Page 28, 1986.

34. Vander Salm T.J., Okike O.N., Marsicano T.H., Compton C., Espinosa E. *Prevention of Postoperative Pericardial Adhesions*. Archives of Surgery 121:462, 1986.
35. Khuri S.F., Okike O.N., Josa M. Vander Salm T.J., Assoussa S. Leone L., Silverman A., Siduffi S., Olukotun A.Y. *Efficacy of Nadolol in the Prevention of Supraventricular Tachycardia Following Coronary Artery Bypass Graft Surgery*. American Journal of Cardiology 60:51, August 1987.

Bibliography continued...

36. Vander Salm T.J., Okike O.N., Ansell J.E., Marsicano T.H., et al. *The Role of Epsilon-Aminocaproic Acid in Reducing Bleeding After Cardiac Operation: A Double-Blind Randomized Study*. J. of Thoracic and Cardiovascular Surgery 538, March 1988.
37. Vander Salm T.J., Chowdhary S., Okike O.N., Pezzella A.T., Pasque M.K. *Internal Mammary Artery Grafts: The Shortest Route to the Coronary Arteries*. An of Thor Surg 47:421-427, 1989.
38. Vander Salm T.J., Okike O.N., Pezzella A.T., Pasque M.K. *Ectopic Ossification After Median Sternotomy*. Annals of Thoracic Surgery 43:315, 1989.
39. Pagani F.D., Knox M.A., Baker L.S., Zheng J.J., Okike O.N., Visner M.S. *Maintenance of Arrest During Reperfusion Accelerates Recovery From Stunning Only in the Presence of Hyperkalemic Depolarization*. Circulation 80, II 1989.
40. Lanlow L., Wilson J., Heard S.O., Townsend P., Vander Salm T.J., Okike O.N., Pezzella A.T., Pasque M. *Free and Total Lidocaine Levels in Cardiac Surgical Patients*. Journal of Cardiothoracic Anesthesia 4: (3)340-47, 1990.
41. Shoei K., Huang S., Wilson L., Guzman T., Chenarides J.G., Okike O.N., Vander Salm T.J. *Effects of Long-term Amiodarone Therapy of the Defibrillation Threshold and the Rate of Shocks of the Implantable Cardioverter-defibrillator*. American Heart Journal, St. Louis 122:720-727, 1991.
42. Wholey R.M., Voyce S.J., Pape L., Cuenoud H.F., Okike O.N., Sweeney A., Aurigemma G.P. *Aortic Valve Rupture Following Nonpenetrating Thoracic Trauma: Diagnosis by Trans-esophageal Echocardiography*. American Journal of Noninvasive Cardiology 5:372-374, 1991.
43. Ansell J., Klassen V., Lew S., Ball S., Weinstein M., Vander Salm T.J., Okike O.N., Gratz I., Leslie J., Roberts A., Fleming N. and Salzman P. *Does Desmopressin Acetate Prophylaxis Reduce Blood Loss After Valvular Heart Operations?* J. of Thoracic and Cardiovascular Surgery 104:117-23, 1992.
44. Okike O.N., Zheng J.J. *Continuous Warm Blood Retrograde Cardioplegia: Metabolic and Functional Status of the Right Ventricle in Humans*. Circulation 86: (4) 103, 1992.

45. Emelin G., Huang S.K., Pires L.A., Okike O.N., Vander Salm T.J., *Prolonged Bradyarrhythmias After Isolated Coronary Artery Bypass Graft Surgery*. Am. Heart J 126:1084-90, 1993.
46. Okike O.N., Zheng J.J. *Metabolic Consequences of Inhomogeneous Distribution of Warm Blood Cardioplegia Infusion in Humans*. Chest 106:2 August, 1994. Suppl 39S.
47. Vander Salm T.J., Kaur S., Okike O.N., Lancey R.A., Pezzella A.T., Stahl R.F., Leone L., Li J.M., Valeni C.R., Michelson A.D. *Reduction of Bleeding After Heart Operations Through the Prophylactic Use of Epsilon-aminocaproic Acid*. J of Thoracic and Cardiovascular Surgery 112:1098-107, 1996.
48. Okike O.N. *Myocardial Revascularization*. Chapter in Primary Care and General Medicine, Mosby Publishers. Edit. Noble J. et al. 1996.

Bibliography continued ...

49. BARI Investigators. *Comparison of Coronary Bypass Surgery with Angioplasty in Patients With Multivessel Disease*. N.E. J of Medicine 335:217-225, 1996.
50. Lancey R.A., Okike O.N. *Temporary Mechanical Assistance of the Failing Left Ventricle*. Intensive Care Medicine, Little Brown Publishers. Edit. Rippe J.M. et al. 1997
51. BARI Investigators. *Five Year Clinical and Functional Outcome Comparing Bypass Surgery and Angioplasty in Patients with Multivessel Coronary Disease*. JAMA 277:715-721, 1997.
52. Shortt K.G., Stahl R.F., Soller B.R., Okike O.N., Parikh B. *Diminished Myocardial Function Precedes Tissue Acidosis During Coronary Hypoperfusion*. Cardiology 88:14-18, 1997
53. BARI Investigators. *Influence of Diabetes on Five Year Mortality and Morbidity in a Randomized Trial Comparing CABG and PTCA in Patients with Multivessel Disease*. Circulation 6;96:1761-1769, 1997.
54. Bourassa M.G. et al. BARI Investigators. *Is a Strategy of Intended Incomplete PTCA revascularization Acceptable in Patients Who are Candidates for CABG?* JACC 33:1627-36, 1999
55. Ali O.A., Okike O.N., Hogan R.G., Becker R.C. *Intramural Hematoma in a Woman with Neurofibromatosis*. Ann Thoracic Surg 958-60, 2002
56. Soller B.R., Hsi C., Favreau J., Cingo N., Lancey R.A., Okike O.N., Vander Salm T.J., *Multiparameter Fiber Optic Sensor for the Assessment of Intramyocardial Perfusion*. J Card Surg 19:1-8, 2004
57. BARI Investigators. *Seven Year Outcome in BARI by Treatment and Diabetic Status*. Submitted to JACC.
58. Balaguer J.M., Bronfine B.I., Brownstein S., Shine W.J., Okike O.N., Pezzella A.T., Lancey R.A. and Vander Salm T.J. *Effective Prevention of Recurrent Ischemic*

Cerebrovascular Accidents by Closure of Atrial Septal Defects and Patent Foramen Ovale. Submitted to J. of Thoracic and Cardiovascular Surgery

59. Vander Salm T.J., Zheng J.J., Okike O.N., Lancey R.A., Balaguer J.M., Pezzella A.T. and Stoddard A. *Risk Factors for Sternotomy Dehiscence or Infection.* Submitted to Annals of Thoracic Surgery

Abstracts:

1. Okike O.N. and Kelly K.A. *Vagotomy Impairs Pentagastrin-Induced Relaxation of Canine Gastric Fundus.* Proceedings of Fall Meeting of the American Physiologic Society. Oct., 1975
2. Okike O.N., Bernatz P.E. and Woolner L.B. *Carcinoid Tumors of the Lung.* Abstract for American Society of Thoracic Surgeons. February, 1976.

Abstracts: Continued ...

3. Okike O.N., Weiland L.H., Anderson M.J. and Adson M.A. *Stromal Invasion of Cancer in Predunculated Adenomatous Colorectal Polyps: Significance for Surgical Management.* Abstract for Western Surgical Association Meeting. November, 1976.
4. Okike O.N., Bernatz P.E. and Woolner L.B. *Localized Mesothelioma of the Pleura, Benign and Malignant Variants.* Abstract Book. Sampson Thoracic Society Meeting. June, 1977.
5. Okike O.N., Bernatz P.E., Payne W.S., Woolner L.B. and Leonard P.E. *Bronchoplastic Procedures in the Treatment of Carcinoid Tumors of the Tracheobronchial Tree.* Proceedings of the 58th Meeting of the American Association for Thoracic Surgery. May, 1978.
6. Okike O.N., McGoon D.C., Danielson G.K., Wallace R.B., Pluth J.R., Puga F.J. and Weidman W.H. *Extended Results After Operation for Congenital Aortic Stenosis.* Abstracts for American College of Cardiology Meeting. March, 1980.
7. Okike O.N., McGoon D.C., Danielson G.K., Wallace R.B., Pluth J.R., Puga F.J. and Weidman W.H. *Extended Results After Operation for Congenital Aortic Stenosis.* Abstracts for American College of Cardiology Meeting. March, 1980.
8. Romero L.R., Haffajee C.I., Doherty P., Levin W., Vander Salm T.J. Okike O.N. and Alpert J.S. *Comparison of Ventricular Function and Volume with AV Sequential and Ventricular Pacing.* Chest 89-346. September, 1981.
9. Haffajee C.I., Murphy J., Love J.C., Vander Salm T.J. and Okike O.N. *Is Routine Testing for Retrograde Ventriculo-atrial Conduction Helpful Prior to DDD Pacemaker Implantation?* PACE 6, Part I:311. 1981.
10. Okike O.N., Espinosa E.J., Doherty P.W., Vander Salm T.J., Marsicano T.H. and Wheeler H.B. *Correlation of Thromboxane Level and Platelet Retention in Aorto-*

- Coronary Bypass Vein Grafts*. Abstract Book Inter-American Congress of Cardiology Meeting. June, 1985.
11. Okike O.N. *Pulsatile Coronary Sinus Retroperfusion for Myocardial Preservation During Open Heart Operations*. Abstract for 2nd International Symposium on Coronary Sinus Interventions. Vienna Austria, 1986.
 12. Weiner B.H., Gore J. M., Sloan K.S., Benotti J.R., Gaca J.M., Okike O.N., Vander Salm T.J. Ball S.P., Carroa J., Alpert J.S. and Dalen J.E. *Synchronized Coronary Sinus Retroperfusion (SCSR) during LAD Angioplasty*. Abstract 35th Scientific Session of American College of Cardiology. March, 1986.
 13. Gore J.M., Weiner B.H., Sloan K.S., Benotti J.R., Okike O.N., Ball, S.P., Alpert J.S., Dalen J.E. *Human Experience with Synchronized Coronary Sinus Retroperfusion (SCSR) Feasibility and Safety*. Abstract for 35th Scientific Session of American College of Cardiology. March, 1986.
 14. Okike O.N., Phillips D., Hsi C., Gore J.M., Mojica W.A., Wheeler B.H., Alpert J.S. and Vander Salm T.J. *Pulsatile Cardioplegic Retroinfusion*. Proceedings of the 52nd Assembly of American College of Chest Physicians. September, 1986.

Abstracts: Continued ...

15. Okike O.N., Hsi C., Zheng J.J., Gore J.M. and Vander Salm T.J. *Coronary Sinus Cardioplegia: Wall Motion Analysis of the Right Ventricle Following Two Hours of Cardioplegic Arrest*. Abstract for 3rd International Symposium of Myocardial Protection via the Coronary Sinus. June, 1988.
16. Landow L., Wilson J., Heard S.O., Townsend P., Vander Salm T.J., Okike O.N., Pezzella A.T. and Pasque M.K. *Free Lidocaine Levels in Patients Undergoing Open Heart Surgery*. Abstract Book Society of Cardiovascular Anesthesiologists Meeting. April, 1989.
17. Landow L., Wilson J., Heard S.O., Townsend P., Vander Salm T.J., Okike O.N., Pezzella A.T. and Pasque M.K. *Free Lidocaine Levels in Patients Undergoing Open Heart Surgery*. Abstract Book Society of Anesthesiologists. October, 1989.
18. Okike O.N., Zheng J.J., Vander Salm T.J., Pezzella A.T., Bitran D., Visner M.S. and Moran J.M. *Aortic Valve Replacement in Octogenarians: Early and Late Postoperative Results*. Proceedings of the 56th Annual Scientific Assembly of the American College of Chest Physicians. Oct., 1990.
19. Okike O.N., Zheng J.J., Vander Salm T.J., Pezzella A.T., Lancey R.A., and Ma Y. *Surgical Risks and Longterm Results of Coronary Bypass Surgery in Octogenarians*. Submitted to American Heart Association. 1995.
20. Okike O.N., Zheng J.J., Vander Salm T.J., Pezzella A.T., Lancey R.A., Stoddard A. and Ma Y. *Comparison of Length of Hospitalization, Hospital Charge and Surgical Mortality Between Octogenarians and Younger Age Groups Undergoing Coronary Artery Bypass Operation*. VII Annual Symposium of Cardiothoracic Surgery. 1995.

21. Okike O.N., Zheng J.J., VanderSalm T.J., Lancey R.A., Gammie J.S., Pezzella A.T., Balaguer J.M., Ma Y. *Surgical Treatment of Active Endocarditis*. Submitted to American College of Cardiology, 49th Annual Scientific Session, 1999.
22. Balaguer J.M., Bronfine B.I., Brownstein S., Shine W.J., Okike O.N., Pezzella A.T., Lancey R.A. and Vander Salm T.J. *Effective Prevention of Recurrent Ischemic Cerebrovascular Accidents by Surgical Closure of Atrial Septal Defects and Patent Foramen Ovale*. Proceedings of the American College of Chest Physicians Meeting. November, 1999.
23. Lancey R.A., Kaur S., Fang W.C., Okike O.N., Balaguer J.M., Pezzella A.T. and VanderSalm T.J. *The Impact of Propofol Use on Infection and Mortality in Coronary Artery Bypass Surgery*. The International Society of Cardio-Thoracic Surgeons. 10th World Congress. 2000.
24. Okike O.N., Zheng J.J., VanderSalm T.J., Lancey R.A., Gammie J.S., Pezzella A.T., Balaguer J.M., MA Y. *Determinants of Early and Long-term Survival in 61 Patients Undergoing Surgery for Active Infective Endocarditis*. Supplement to Chest Vol.118, No.4, October 2000.
25. Mahan V., Okike O.N., Zheng, J.J., Vander Salm T.J., Lancey R.A., Gammie, J.S., Balaguer J.M., Ma Y. *Results of Operations for Valvular Disease in Patients with Previous Mediastinal Radiation*. CHEST Vol. 120, No 4:309S-310S, October 2001.

Papers Presented to National and International Scientific Meetings:

1. Okike O.N. and Kelly K.A. *Vagotomy Impairs Pentagastrin-Induced Relaxation of Canine Gastric Fundus*. Fall Meeting of the American Physiology Society. San Francisco Oct. 9th, 1975.
2. Okike O.N., Bernatz P.E. and Woolner L.B. *Carcinoid Tumors of the Lung*. Annual Meeting of the American Society of Thoracic Surgeons. Washington D.C., February 28, 1976.
3. Okike O.N., Weiland L.H., Anderson M.J. and Adson M.A. *Stromal Invasion of Cancer in Pedunculated Adenomatous Colorectal Polyps: Significance for Surgical Management*. Annual Meeting of Western Surgical Association. Coronado, CA. November, 1976.
4. Okike O.N. and Bernatz P.E. *The Role of the Deep Femoral Artery in Revascularization of the Lower Extremity*. 19th Annual Conference of University Surgical Residents. Atlanta, GA, April 1977.
5. Okike O.N., Bernatz P.E. and Woolner L.B. *Localized Mesothelioma of the Pleura: Benign and Malignant Variants*. 3rd Annual Meeting of the Samson Thoracic Society. Colorado Springs, CO. June 1977.
6. Okike O.N., Bernatz P.E., Payne W.S., Woolner L.B. and Leonard P.E. *Bronchoplastic Procedures in the Treatment of Carcinoid Tumors of the Tracheobronchial Tree*. 58th

- Annual Meeting of American Association for Thoracic Surgery. New Orleans, LA. May 1978.
7. Okike O.N., Payne W.S., Neufeld D., Bernatz P.E., Pairolero P.C. and Anderson D.R. *Achalasia of the Esophagus: A Follow up Study of Patients Undergoing Esophagomyotomy*. Annual Meeting of the American Society of Thoracic Surgeons. Phoenix, AZ. January, 1979.
 8. Okike O.N., McGoon D.C., Danielson G.K., Wallace R.B., Pluth J.R., Puga F.J. and Weidman W.H. *Extended Results After Operation for Congenital Aortic Stenosis*. American College of Cardiology. Houston, TX. March, 1980.
 9. Romero L.R., Haffajee C.I., Doherty P., Levin W., Vander Salm T.J., Okike O.N. and Alpert J.S. *Comparison of Ventricular Function and Volume with AV sequential and Ventricular Pacing*. Presented at the 47th Annual Scientific Assembly, American College of Chest Physicians. San Francisco, CA. October 25-29, 1981.
 10. Okike O.N., Espinosa E., Doherty P.W., Vander Salm T.J., Marsicano T.H. and Wheeler H.B. *The Effect of Thromboxane Synthetase Inhibitor on Platelet Retention in Aorto-coronary Bypass Grafts*. Presented at the 57th Scientific Session of the American Heart Association. Miami Beach, FL. November, 1984.
 11. Okike O.N., Espinosa E.J., Doherty P.W., Vander Salm T.J., Marsicano T.H. and Wheeler H.B. *Correlation of Thromboxane Level and Platelet Retention in Aorto-coronary Bypass Vein Grafts*. Presented at the Inter-American Congress of Cardiology Meeting. Vancouver, Canada. June, 1985.

Papers Presented to National and International Scientific Meetings: Continued...

12. Okike O.N., Phillips D., Hsi C., Gore J.M., Vander Salm T.J., Marsicano T.H. and Alpert J.S. *Efficacy of Coronary Sinus Cardioplegia (CSCP) During Two Hours of Hyperkalemic Arrest of Hypertrophied Left Ventricle*. Presented at the 58th Scientific Session of the American Heart Association. Washington D.C. November, 1985.
13. Okike O.N. *Pulsatile Coronary Sinus Retroperfusion for Myocardial Preservation During Open Heart Operations*. Presented at the 2nd International Symposium on the Coronary Sinus. Vienna, Austria. February, 1986.
14. Weiner B.H., Gore J.M., Sloan K.M., Benott, J.R., Gaca J.M., Okike O.N., Vander Salm T.J., Ball S.P., Carroa J., Alpert J.S. and Dalen J.E. *Synchronized Coronary Sinus Retroperfusion (SCSR) During LAD Angioplasty*. Presented at the 35th Scientific Session of the American College of Cardiology. Atlanta, GA. March, 1986.
15. Gore J.M., Weiner B.H., Sloan K.S., Benotti J.R., Okike O.N., Ball S.P., Alpert J.S., Dalen J.E. *Human Experience with Synchronized Coronary Sinus Retroperfusion (SCSR) Feasibility and Safety*. Presented at the 35th Scientific Session of American College of Cardiology. Atlanta, GA. March, 1986.
16. Okike O.N., Phillips D., Hsi C., Gore J.M., Mojica W.A., Weiner B.H., Alpert J.S and Vander Salm T.J. *Pulsatile Cardioplegia Retroinfusion*. Presented at the 52nd Scientific

- Assembly of American College of Chest Physicians. San Francisco, CA. September, 1986.
17. Okike O.N. *Recent Advances in Myocardial Preservation During Cardiac Operations*. Presented at the 52nd Scientific Assembly of the American College of Chest Physicians. San Francisco, CA. September, 1986.
 18. Okike O.N. *Recent Advances in the Management of Patients with Myocardial Ischemia*. Presented at the Paul Ware Symposium. Worcester, MA. April, 1987.
 19. Okike O.N., Hsi C., Zheng J.J., Gore J.M., Vander Salm T.J. *Coronary Sinus Cardioplegia: Wall Motion Analysis of the Right Ventricle Following Two Hours of Cardioplegic Arrest*. Presented at the 3rd International Symposium on Myocardial Protection via the Coronary Sinus. Boston, MA. June 23-24, 1988.
 20. Landow L., Wilson J., Heard S.O., Townsend P., Vander Salm T.J., Okike O.N., Pezzella A.T., Pasque M.K. *Free Lidocaine Levels in Patients Undergoing Open Heart Surgery*. Presented at the Society of Cardiovascular Anesthesiologists Meeting. April 18, 1989 (by Landow L.)
 21. Landow L., Wilson J., Heard S.O., Townsend P., Vander Salm T.J., Okike O.N., Pezzella A.T., Pasque M.K. *Are Lidocaine Levels in the Therapeutic Range in Cardiac Surgery Patients?* Presented at the Society of Cardiovascular Anesthesiologists Meeting. April 18, 1989.
 22. Landow L., Wilson J., Heard S.O., Townsend P., Vander Salm T.J., Okike O.N., Pezzella A.T., Pasque M.K. *Free Lidocaine Levels in Patients Undergoing Open Heart Surgery*. Presented at the Annual Meeting of the American Society of Anesthesiologists. New Orleans, LA. Oct. 1989.

Papers Presented to National and International Scientific Meetings: Continued...

23. Okike O.N., Zheng J.J., Vander Salm T.J., Pezzella A.T., Bitran D., Visner M.S., Moran J.M. *Aortic Valve Replacement in Octogenarians: Early and Late Postoperative Results*. Presented at the 56th Annual Scientific Assembly of American College of Chest Physicians. Toronto, Canada. October, 1990.
24. Okike O.N. *Recent Advances in Cardiac Surgery*. Presented at the 1st Affiliated Hospital. Kunming Medical College. Kunming Yunnan, China. September, 1991.
25. Okike O.N. *Reperfusion Tissue Injury*. Invited Lectureship at the National Medical Association Special Surgery Symposium. San Francisco, CA. August, 1992.
26. Okike O.N., Zheng J.J. *Continuous Warm Blood Retrograde Cardioplegia: Metabolic and Functional Status of the Right Ventricle in Humans*. Presented at the 65th Scientific Session of the American Heart Association. New Orleans, LA. November, 1992.
27. Okike O.N. *Metabolic Consequences of Inhomogeneous Distribution of Warm Blood Cardioplegia Infusion in Humans*. Presented at the 60th Annual International Scientific

- Assembly of the American College of Chest Physicians. New Orleans, LA. October, 1994.
28. Okike O.N. *Expert Presiding Over Resident Competition*. 60th Annual International Scientific Assembly of the American College of Chest Physicians. New Orleans, LA. October, 1994.
 29. Okike O.N., Stahl R.F., Soller B.R., Stoddard A., Perras M.A., Seymour P., Leone L., Lancey R.A. and Vander Salm T.J. *Correlates of Prolonged Hospital Stay After Coronary Artery Surgery*. Presented at the 68th Session of the American Heart Association. Anaheim, CA. November 13-16, 1995.
 30. Okike O.N. *Minimally Invasive Myocardial Revascularization*. Presented at the 9th Annual Frontiers in Critical Care Nursing. Worcester, MA. March, 1997.
 31. Okike O.N. *Minimally Invasive Cardiac Surgery: Contemporary Strategies in the Treatment of Ischemic Heart Disease*. Worcester, MA. May 16, 1997.
 32. Okike O.N., Zheng J.J., Vander Salm T.J., Pezzella A.T., Lancey R.A., Stoddard A., Ma Y. *Comparison of Length of Hospitalization, Hospital Charge and Surgical Mortality Between Octogenarians and Younger Age Groups Undergoing Coronary Bypass Operation*. Presented at the 8th Annual Symposium. Cardiothoracic Surgery Current Issues. Puerto Rico December, 1997.
 33. Okike O.N., Zheng J.J., Vander Salm T.J., Lancey R.A., Gammie J.S., Balaguer J.M. and Ma Y. *Determinants of Early and Long-term Survival in 61 Patients Undergoing Surgery for Active Infective Endocarditis*. Presented at the Chest 2000 of the American College of Chest Physicians. San Francisco, CA, October 2000.

Lectures 1988:

January 16	UMass Memorial Medical Center, Cardiac Surgery Conference. "Recent Advances in Myocardial Protection"
February 1	UMass Medical School, Cardiac Surgery 1&2 for 3 rd and 4 th Year Medical Students
February 20	UMass Memorial Medical Center, Cardiac Surgery Conference "Aortic Valve Replacement"
March 12	UMass Memorial Medical Center, Cardiac Surgery Conference "Tricuspid Valve Disease"
March 16	Lewis J. Cataldo Memorial Lecture, Worcester Memorial Hospital "The Physician as Patient Advocate"

April 9	UMass Memorial Medical Center, Cardiac Surgery Conference "Ascending Aortic Aneurysm"
May 9	UMass Medical School, Cardiac Surgery 1 & 2 for 3 rd and 4 th Year Medical Students
June 23 & 24	3 rd International Symposium on Myocardial Protection via the Coronary Sinus. Boston, MA. "Coronary Sinus Cardioplegia: Wall Motion Analysis of the Right Ventricle Following Two Hours of Cardioplegic Arrest"
August 15	UMass Medical School, Cardiac Surgery 1 & 2 for 3 rd and 4 th Year Medical Students.
October 1	UMass Memorial Medical Center, Cardiac Surgery Conference "Congenital Aortic Stenosis"
November 5	UMass Memorial Medical Center, Cardiac Surgery Conference "Coronary Sinus Cardioplegia: Reality and Promise"
November 30	UMass Memorial Medical Center, Pediatric Heart Class for 3ICU Nurses. "Postop Management of Pediatric Cardiac Patients"
<u>Lectures 1989:</u>	
January 4	UMass Memorial Medical Center, Pediatric Heart Class for 3ICU Nurses. "Postop Management of Pediatric Cardiac Patients"
January 21	UMass Memorial Medical Center, Cardiac Surgery Conference "Platelet Retention in Coronary Bypass Vein Grafts"
<u>Lectures 1989 Cont...</u>	
February 22	Surgical Grand Rounds, Saint Vincent Hospital. "On Line Metabolic Monitoring of the Heart During Cardiac Surgery"
February 25	UMass Medical School, Surgical Grand Rounds (debate) "Have Cardiologists Superannuated the Cardiac Surgeons?"

February 27	UMass Medical School, Cardiac Surgery 1 & 2 for 3 rd and 4 th Year Medical Students
May 27	UMass Memorial Medical Center, Cardiac Surgery Conference “Aortic Valve Replacement at UMMC (1980-1986)”
June 7	UMass Medical School, Board of Trustees Meeting “Pulsatile Coronary Sinus Cardioplegia During Open Heart Surgery”
June 12	UMass Medical School, Cardiac Surgery 1 & 2 for 3 rd and 4 th Year Medical Students
July 14	UMass Medical School, Lecture to 3 rd Year Medical Students “Intraoperative Assessment of Myocardial Protection Using Myocardial pH”
July 19	UMass Memorial Medical Center, Fellows Noon Lecture Series. “Coronary Artery Bypass Grafting”
July 28	Surgical Grand Rounds, Berkshire Medical Center “Recent Advances in Myocardial Protection During Open Heart Surgery”
August 10	UMass Memorial Medical Center, Fellows Lecture Series “Surgical Valve Replacement”
August 19	UMass Memorial Medical Center, Pre-and Postop Care Course “Thoracic Surgery”
October 28	UMass Memorial Medical Center, Cardiac Surgery Conference “Intramyocardial pH”
<u>Lectures 1990:</u>	
March 10	UMass Memorial Medical Center, Cardiac Surgery Conference “Aortic Valve Replacement in Octogenarians, UMMC Experience”
August 3	Bancroft School, 1990 High School Health Careers Program Closing Ceremony
<u>Lectures 1990 Cont...</u>	
October 6	UMass Memorial Medical Center, Cardiac Surgery Conference “Surgical Treatment of Cardiogenic Shock”
<u>Lectures 1991:</u>	

January 26	UMass Memorial Medical Center, Cardiac Surgery Conference "Recent Observations in Normothermic Heart Surgery"
March 2	UMass Memorial Medical Center, Cardiac Surgery Conference "Congenital Aortic Stenosis"
April 20	UMass Memorial Medical Center, Cardiac Surgery Conference "Current Status of Heart, Heart-Lung and Lung Transplantation"
June 8	UMass Memorial Medical Center, Cardiac Surgery Conference "Selected Topics from the Recent AATS Meeting in Washington"
<u>Lectures 1992:</u>	
February 8	UMass Memorial Medical Center, Cardiac Surgery Conference "Achalasia of the Esophagus"
March 7	UMass Memorial Medical Center, Cardiac Surgery Conference "Continuous Retrograde Warm Blood Cardioplegia: Metabolic and Functional Status of the Right Ventricle in Humans"
May 30	UMass Memorial Medical Center, Cardiac Surgery Conference "Recent Proceedings of the AATS"
June 20	UMass Memorial Medical Center, Cardiac Surgery Conference "Results of Surgery for Cardiogenic Shock – UMMC Experience"
September 12	UMass Memorial Medical Center, Cardiac Surgery Conference "Reperfusion Injury"
November 7	UMass Memorial Medical Center, Cardiac Surgery Conference "State of the Art: Normothermia and Hypothermia; Which Would You Choose?"

Lectures 1993:

January 9 UMass Memorial Medical Center, Cardiac Surgery Conference
"Evolving Trends in the Management of Congenital Aortic Stenosis"

Lectures 1993 Cont...

May 8 UMass Memorial Medical Center, Cardiac Surgery Conference
"Myocardial Protection"

September 25 UMass Memorial Medical Center, Cardiac Surgery Conference
"Surgical Management of Aortic Valve Disease"

November 20 UMass Memorial Medical Center, Cardiac Surgery Conference
"Myocardial Revascularization: State of the Art"

Lectures 1994:

April 30 UMass Memorial Medical Center, Cardiac Surgery Conference
"The Safety and Efficacy of Internal Mammary Harvest in Patients With Ongoing Myocardial Ischemia"

September 17 UMass Memorial Medical Center, Cardiac Surgery Conference
"Coronary Artery Bypass Operation in the Elderly"

December 10 UMass Memorial Medical Center, Cardiac Surgery Conference
"Sinus of the Valsalva Aneurysms"

Lectures 1995:

January 21 UMass Memorial Medical Center, Cardiac Surgery Conference
"Management of Patients With Symptomatic Heart Disease and Co-Existing Malignancy"

December 2 UMass Memorial Medical Center, Cardiac Surgery Conference
"Myocardial Revascularization in Patients Less Than Forty Years of Age"

Lectures 1996:

June 1 UMass Memorial Medical Center, Cardiac Surgery Conference

"Metabolic and Functional Recovery of the Right Ventricle Following Continuous Retrograde Cardioplegia"

October 5

UMass Memorial Medical Center, Cardiac Surgery Conference
 "How Should We Manage Symptomatic Aortic Valve Disease in the Patient Who Is Eighty Years or Older?"

Lectures 1997:

May 7

UMass Memorial Medical Center, Ninth Annual Frontiers in Critical Care Nursing. "Minimally Invasive Coronary Bypass Surgery"

Lectures 1997 continued:

May 16

UMass Medical School/Heart Institute, First Annual Symposium – Contemporary Strategies in the Treatment of Ischemic Heart Disease "Minimally Invasive Cardiac Surgery"

June 26

Worcester Memorial Hospital, Cardiology Grand Rounds "Minimally Invasive Coronary Bypass Surgery"

June 28

UMass Memorial Medical Center, Cardiac Surgery Conference
 "Minimally Invasive Valve Replacement"

November 22

UMass Memorial Medical Center, Cardiac Surgery Conference
 "Minimally Invasive Coronary Bypass – MIDCAB"

Lectures 1998:

June 13

UMass Memorial Medical Center, Cardiac Surgery Conference
 "Controversies in the Surgical Management of Bacterial Endocarditis"

October 24

UMass Memorial Medical Center, Cardiac Surgery Conference
 "Intramural Hematoma in the Aorta"

Lectures 1999:

January 30	UMass Memorial Medical Center, Cardiac Surgery Conference "Evidence-based Surgical Procedures for Myocardial Ischemia"
May 15	UMass Memorial Medical Center, Cardiac Surgery Conference "Optimal pH Strategy in Cardiac Surgery"
September 11	UMass Memorial Medical Center, Cardiac Surgery Conference "Evidence Based Interventions for Infective Endocarditis"
<u>Lectures 2000:</u>	
January 15	UMass Memorial Medical Center, Cardiac Surgery Conference "Evidence Based Interventions for Coronary Artery Disease; Results of Stent versus CABG Trials"
May 6	UMass Memorial Medical Center, Cardiac Surgery Conference "The Significance of Intramyocardial pH of the Right Ventricle During Cardiac Operations"

Lectureships and Visiting Professorships:

1. Hospital Broussais, Dept. of Cardiac Surgery, Paris, France 1986
2. Kunming Medical College, Dept. of Surgery, Kunming, Yunnan, China 1991
3. Berkshire Medical Center, Dept. of Surgery, Pittsfield, MA 1996
4. UMass Memorial Medical Center, Dept. of Cardiology, Worcester, MA 1997
5. Berkshire Medical Center, Dept. of Cardiology, Pittsfield, MA 1997

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