

CURRICULUM VITAE

EDMUND KENNETH KERUT, MD

April 2015

Office:

Heart Clinic of Louisiana
1111 Medical Center Blvd
Suite N613
Marrero, Louisiana 70072

Phone:

504-349-6800

EDUCATION:

1978 Bachelor of Science
Mississippi State University
(with Special Distinction)
Major: Biological Engineering
Minor: Mathematics

1982 Medical Doctor
University of Mississippi
School of Medicine
Jackson, Mississippi

Externship

10/05/81 - 11/20/81

National Institutes of Health Externship - Computers in Clinical
Medicine
Bethesda, Maryland

Internship:

1982-1983 Internal Medicine
Medical University of South Carolina
Charleston, South Carolina

Residency:

1983-1985 Internal Medicine
Medical University of South Carolina
Charleston, South Carolina

Fellowship:

1985-1987 Cardiovascular Diseases
 University of Maryland
 Baltimore, Maryland

PRIVATE CARDIOLOGY PRACTICE:

7/87-5/90 Cardiology Center
 Marrero, LA

5/90-6/94 HeartCare Clinic
 Marrero, LA

6/94-12/12 Heart Clinic of Louisiana
 Heart Clinic of Louisiana Diagnostic Services
 Heart Clinic of Louisiana Clinical Research, LLC
 1111 Medical Center Blvd
 Suite N613
 Marrero, LA 70072

1/13- West Jefferson Heart Clinic of Louisiana
 1111 Medical Center Blvd
 Suite N613
 Marrero, LA 70072

CERTIFICATION:

September 1985 Diplomate, American Board of
 Internal Medicine

November 1987 Diplomate, American Board of
 Internal Medicine
 Cardiovascular Diseases (95th Percentile)

June 1996 American Society of Echocardiography
 Certification/Special Competency Examination
 (93rd Percentile)

June 2006 Recertification Examination of Special Competence in Adult
 Echocardiography
 (Score 722)

6/96 - Diplomate in Adult Transthoracic + Transesophageal
 Echocardiography

November 2002	Fellow of the American Society of Echocardiography Level III Certification Echocardiography and Transesophageal Echocardiography
September 2008	Certification – Diplomate in Cardiovascular Computed Tomography
April 2008	Level III Certification Cardiovascular Computed Tomography Society of Cardiovascular Computed Tomography
LICENSURE:	
Medical	Mississippi (active) South Carolina (inactive) Louisiana (active)
Nuclear	Louisiana
CURRENT STAFF PRIVILEGES:	
	West Jefferson Medical Center Marrero, Louisiana July 1987 –
	Ochsner Medical Center Westbank Gretna, Louisiana July 1987 –
	Medical Center of Louisiana (Charity System) New Orleans, Louisiana 1991 –
CLINICAL INTERESTS:	
	Clinical Cardiology Echocardiography Transesophageal Echocardiography Cardiovascular CT
RESEARCH INTERESTS:	
	Computer Algorithms and Processing Heart Rate Variability (HRV) Blood Pressure Variability (BPV) in the small laboratory animal
	Quantification of neovasculature flow and anatomy in the small laboratory animal
	Image Segmentation
	Texture analysis / tissue characterization

Ultrasound of the small laboratory animal

PROFESSIONAL APPOINTMENTS:

Adjunct Assistant Professor
Department of Physiology
Department of Pharmacology
LSU Health Sciences Center
New Orleans, Louisiana
(July, 2004 - 2005)

Adjunct Professor of Engineering
Department of Agricultural and Biological Engineering
Mississippi State University
Mississippi State, Mississippi
(July, 2001 -)

Clinical Associate Professor
Department of Medicine
Tulane University School of Medicine
New Orleans, Louisiana

Medical Director,
Adult Echocardiography Program
Department of Cardio-Pulmonary Science
School of Allied Health Professionals
LSU Health Sciences Center
New Orleans, Louisiana
(2006-)

Clinical Associate Professor of
Medicine, (1996 - 2005)
Tulane University
School of Medicine
New Orleans, Louisiana

Clinical Assistant Professor of
Medicine, (1991 - 2005)
Louisiana State University
School of Medicine
New Orleans, Louisiana

Louisiana Chapter,
American College of Cardiology
-New Orleans District Councilor
(1999-2001)
(Re-elected 2001-2003)
(Re-elected 2003-2005)
(Re-elected 2006-2009)
-Quality Committee (2004-2005)
-Education Committee (2004-2005)

Director, Echocardiography
Laboratory, (1991 - 1996)
Medical Center of Louisiana
Charity Hospital
New Orleans, Louisiana

Cardiovascular Research
Laboratory, (1993 - 2005)
Louisiana State University
School of Medicine
New Orleans, Louisiana

Graduate School Advisor
Department of Agricultural and Biological Engineering
School of Engineering
Mississippi State University
Mississippi State, Mississippi
(1999 -)

Course Director and Instructor,
Advanced Cardiac Life Support
West Jefferson Medical Center
Marrero, Louisiana
Louisiana Chapter,
American Heart Association
(1991 - Present)

Chairman, Institutional Review Board
West Jefferson Medical Center
Marrero, Louisiana
(November 2003 - 2007)

Chief of Medicine, 1990 - 1991

Meadowcrest Hospital
Gretna, Louisiana

Medical Director
West Jefferson Health Center
West Jefferson Medical Center
Marrero, Louisiana
(2000-)

PROFESSIONAL MEMBERSHIPS:

American College of Cardiology
American Heart Association
American Society of Echocardiography
Institute of Electrical and Electronics Engineers
Christian Medical and Dental Association
New Orleans Society of Echocardiography
President (Charter) (1997 - 2005)

HONORS & AWARDS:

Distinguished Fellow
Bagley College of Engineering
Mississippi State University
(February 2007)

Young Faculty Award (1996)
Southern Section of American Federation of Clinical Research
Southern Society for Clinical Investigation

Tau Beta Pi
Phi Kappa Phi
Gamma Sigma Delta
Engineering Council (1977-1978, Mississippi State University)
Freshman General Chemistry Award, 1975
ACT Scholarship, 1974

PUBLICATIONS

Abstracts

1. Harch PG, Kerut EK, Van Meter K. Demonstration and Explanation of the Breach of the Pulmonary Filter with Transesophageal Bubble Contrast Echocardiography. *Undersea Biomedical Research*, 1992, (19:suppl.), 41.
2. Truax W, Borresen T, Kerut EK, Van Meter K. Transcranial Doppler Ultrasonography in Decompression Illness. *Stroke* (23) 475, 1992.
3. Kerut, EK et al., Congestive Heart Failure (CHF): Influence of Hypertension with and without Diabetes Mellitus on Circadian Variation in Autonomic Balance. Presented at the Louisiana Chapter of the American College of Cardiology, New Orleans, Louisiana; October, 1994.
4. Kerut, EK et al., Congestive Heart Failure (CHF): Influence of Hypertension with and without Diabetes Mellitus on Circadian Variation in Autonomic Balance. *Journal of Investigative Medicine* 43 (1), Suppl 2.Feb 1995, 27A.
5. Kerut, EK et al., Congestive Heart Failure (CHF): Influence of Hypertension with and without Diabetes Mellitus on Circadian Variation in Autonomic Balance. *American J of Hypertension* 8 (4), Part 2: 174A,1995.
6. Kerut, EK et al., The Echocardiographic Characteristics of Dilated Cardiomyopathy and Advanced Heart Failure are Influenced by Hypertension and Diabetes. *American J of Hypertension* 8 (4), Part 2: 174A,1995.
7. Kerut, EK et al., The Echocardiographic Characteristics of Dilated Cardiomyopathy and Advanced Heart Failure are Influenced by Hypertension and Diabetes. XVI Congress of the Society of Cardiology of the State of Sao Paulo, Brazil, June 1995.
8. Kerut, EK, et al., Patent Foramen Ovale (PFO) and Decompression Sickness (DCS). *J of the Undersea and Hyperbaric Medical Society* 22, Suppl., June 1995, 48.
9. Kerut, EK, Given M, McIlwain E, Allen G, Greenberg SS, Giles T. Echocardiographic Study of Cardiac Changes in Hypertensive and Spontaneously Diabetic Rats. *Journal of Investigative Medicine* 44 (1), Jan 1996, 55A.
10. Kerut EK, Truax W, Borresen T, Van Meter K, McIlwain E, Allen G, Given M, Giles T. Transcranial Contrast Doppler Improves Assessment of Patent Foramen Ovale Significance in Divers with Decompression Sickness. *Journal of Investigative Medicine* 44 (1), Jan 1996, 2A.
11. Kerut EK, Truax W, Borresen T, Van Meter K, Given M, Giles T. Transcranial Contrast Doppler Improves Assessment of Patent Foramen Ovale Significance in Divers with Decompression Sickness. *JACC Vol 27 (2 suppl A) Feb 1996, 350A.*

12. Greenberg SS, Jie O, Kerut EK, Given M, Giles TG. Protein Kinase C Isozyme Shifts and Alcoholic Cardiomyopathy. Scientific Conference on the Molecular Biology of the Normal, Hypertrophied, and Failing Heart. Snowbird Conference Center; Salt Lake City, Utah, August 1996
13. Giles TD, Jie O, Kerut EK, Given M, Greenberg SS. Protein Kinase C and Right Ventricular Dysfunction in Genetically Diabetic Rats. Scientific Conference on the Molecular Biology of the Normal, Hypertrophied, and Failing Heart. Snowbird Conference Center; Salt Lake City, Utah, August 1996
14. Greenberg SS, McIlwain E, Allen G, Kerut EK, Zhein M, Luo Q, Powers DR, Giles TD. Characterization of Hypertension Resulting from Chronic Alcohol Ingestion in Rats. *American J of Hypertension* Vol 10, April 1997, 99A.
15. Sander GE, Ryan DH, Bray GA, Greenberg SS, Kerut EK, Giles TD. Fenfluramine Combination Therapy for Obesity: The Appearance Rate of Aortic Regurgitation on Serial Echoes Parallels the Incidence in a Larger Cohort Population. *JACC* Vol 31 (Suppl A), February 1998, 151A.
16. Sander GE, Ryan DH, Bray GA, Greenberg SS, Kerut EK, Giles TD. Fenfluramine Combination Therapy for Obesity: The Appearance Rate of Aortic Regurgitation on Serial Echoes Parallels the Incidence in a Larger Cohort Population. *Journal of Investigative Medicine*; Vol 46 (1), 31A, 1998.
17. Kerut EK, Roffidal LE, Jones R, Harris L, Subramanian P, Tresznewsky O, Hutchinson H, Yount D, Given MB, Giles TD. Higher Dose ACE Inhibitor Therapy Has A Favorable Influence on Heart Rate Variability (HRV) and Circadian Systolic Blood Pressure Variability in Congestive Heart Failure (CHF): A Substudy of the Assessment of Lisinopril in Heart Failure (ATLAS) Trial. *Circulation*; Vol 98, No 17, 1998, I-83.
18. Greenberg SS, Kang B, Parrish C, Jie O, Zhao X, Kerut EK, Giles TD. Changes in Mesenteric Vascular Reactivity and Blood Pressure during Chronic Alcohol Ingestion and Withdrawal. *JACC* Vol 33 (Suppl A), February 1999, 305A.
19. Ruiz FJ, Azarbal B, Kerut EK, Talano JV. Clinical Application of an Echocardiographic Protocol in the Setting of Acute Chest Pain in the Emergency Department: A Four-Phase Methodology. *Journal of Investigative Medicine*; 110A, 1999.
20. Kerut EK, Given M, McIlwain E, Allen G, Greenberg SS, Giles T. Analysis of Echocardiographic Image Texture Utilizing a 2-Dimensional Wavelet Transform in Rodent Models of Cardiomyopathy. *J of Investigative Medicine*; 127A, 1999.
21. Rouleau JL, Pfeffer MA, Stewart D, Kerut EK, Prouix G, Porter CB, Qian C, Harvey L, Block AJ. Vasopeptidase Inhibitor or Angiotensin Converting Enzyme Inhibitor in Heart Failure? Results of the IMPRESS Trial. *Circulation*; 100(18);I-782; 1999.
22. Kerut EK, Giles TD. The Clinical Significance of PFO and Importance of Determining Its Size: A Review. *Aerospace Medical Association*; 71st Annual Scientific Meeting, Houston, Texas; 379; 2000.

23. Rouleau JL, Pfeffer MA, Stewart DJ, Kerut EK, Porter CB, Parker JO, Smith LK, Prouix G, Qian C, Block AJ. Effects of Omapatrilat and Lisinopril on Renal Function in Patients with Heart Failure. *Circulation*; 102(18): II-533; 2000.
24. Florek RS, Kerut EK, Everson CT, Workman M. CT Directed Catheter Drainage of an Infected Ventriculo-Aortic Conduit. *Southern Medical Association*; October 2000; Vol 93(10); S102.
25. To F, Ji W, Kerut EK, Giles TD. Wavelet Method of Observing the Efficacy of Lisinopril. Institute for Biological Engineering; 2001 Annual Meeting, Sacramento, California; August 2001.
26. Yaneza LO, Chilton RO, Chrisman F, Kerut EK, Lujan MS, Alviar CL, Mercado-Young RA, Lee S, Goswani VS, Giles TD, Suraamornkul S, O'Rourke RA. The Correlation of Plaque Composition by Intravascular Ultrasound (IVUS) with Lipoprotein Profile. American Heart Association Second Asia Pacific Scientific Forum; 2003 Annual Meeting, Honolulu, Hawaii; June 8-10, 2003.
27. JG Diez, J Aliota, EK Kerut. In Vivo Characterization of Coronary Plaque via Computer Assisted Intravascular Ultrasound Image Analysis. *Am J Cardiol* 2003; 92 (Suppl 6A):16, 7L
28. Rawal M, Kerut EK, Callister TQ, Raggi P. Coronary Artery Texture on Electron Beam Tomography is Similar in Patients With Risk Factors and no Calcification and Patients With Calcifications. Louisiana Chapter of the American College of Cardiology, New Orleans, Louisiana. December 2003
29. Rawal M, Kerut EK, Callister TQ, Raggi P. Detection of Early Plaque on Calcium Negative Electron Beam Tomography Scans Using Wavelet Analysis to characterize Tissue Texture. Louisiana Chapter of the American College of Cardiology, New Orleans, Louisiana. December 2003
30. Yaneza LO, Kerut EK, Charalampidis D, Chrisman D, Lujan MS, Giles TD, Chilton RJ, O'Rourke RA. Atherosclerotic Plaque Can Be Quantified Using Multifractal And Wavelet Decomposition Techniques. *JACC suppl A*; 43(5): 34A (1006-57) 2004.
31. To SDF, Dabisch PA, Kerut EK, Scotto JA, Jarvis JR, Mio RJ. Time and Frequency Domain and Wavelet Analysis of Cardiac Interbeat Intervals in the Laboratory Rat. Proceedings of the International Federation for Medical and Biological Engineering; Kuala Lumpur International Conference on Biomedical Engineering, Sept 2004; Kuala Lumpur, Malaysia.
32. Dabisch PA, To SDF, Kerut EK, Jakubowski EM, Muse WT, Davis EA, Burnett D, Mioduszewski RJ, Thomson SA. Tolerance to the Ocular and Cardiovascular Effects of Repeated Low-Level Exposure to Sarin Vapor. Proceedings of the 2004 Army Science Conference, December 2nd-5th, 2004 in Orlando, FL.
33. Dabisch PA, To SDF, Kerut EK, Jakubowski EM, Muse WT, Davis EA, Burnett D, Mioduszewski RJ, Thomson SA. "Cardiovascular Effects of Repeated Low-Level Exposure to Sarin Vapor", Proceedings of the 2004 Scientific Conference on Chemical and Biological Defense Research, Hunt Valley, MD, Nov. 15-17th, 2004

34. Dabisch PA, Burnett D, Miller DB, To SDF, Kerut EK, Jakubowski EM, Muse WT, Davis EA, Crouse CL, Matson KL, Mioduszewski RJ, Thomson SA. "Decreased Miotic Potency of Sarin Vapor Following Multiple Low-Level Inhalation Exposures", Proceedings of the 2004 Scientific Conference on Chemical and Biological Defense Research, Hunt Valley, MD, Nov. 15-17th, 2004.
35. Haque M, Hartfield J, McIlwain E, Kerut EK, Francis J. A Novel Role for Cytokines in Fluid Regulation in Heart Failure Mice. *Circulation Suppl* 110(17): (1410) Nov 2004
36. Dalati G, Kelley GP, Dalati F, Helmcke F, Glancy DL, Kerut EK. Color Doppler Differentiation of Physiological From Pathological Mitral Regurgitation (MR): Avoiding the Fabrication of MR. Louisiana Chapter of the American College of Cardiology, New Orleans, Louisiana. December 2004.
37. Smith RL, Irimpen A, Kerut EK. Rupture of Congenital Sinus of Valsalva Aneurysm with Resultant Aorto-Right Atrial Fistula. Louisiana Chapter of the American College of Cardiology, New Orleans, Louisiana. December 2004.
38. Hartfield JN, Haque M, McIlwain E, Kerut EK, Francis J. Angiotensin II Induced Effect on Salt Appetite and Thirst is Mediated Through Cytokines. *FASEB Journal*, San Diego, California. April 2005.
39. S. D. Filip To, Paul A. Dabisch, Edmund K. Kerut, Jacqueline A. Scotto, Jill R. Jarvis, Robert J. Mioduszewski, "A Study of R-R Interval of Rats under the Influence of Pharmacological Agents", 10th annual Conference of Institute for Biological Engineering, March 4-6 2005, Athens GA
40. Guggilam A, Hartfield J, Haque M, Kapusta D, McIlwain E, Kerut EK, Francis J. Chronic Tumor necrosis factor-alpha induces oxidative stress in the paraventricular nucleus of the hypothalamus: Blockade with pentoxifylline. American Heart Association abstract 2005.
41. Hartfield J, Guggilam A, Haque M, Ring S, McIlwain E, Kerut EK, Francis J. Cytokines modulates neuronal nitric oxide synthase in the Paraventricular Nucleus of the Hypothalamus: Blockade with Pentoxifylline. American Heart Association abstract 2005.
42. Hartfield J, Haque M, McIlwain E, Kerut EK, Francis J. Angiotensin II induced effect on salt appetite and thirst is mediated through cytokines. *The FASEB Journal* 353.2, 2005.
43. Pascotto M, Leong-Poi H, Charalampidis D, Kerut EK, Allrogen A, Lindner JR. Perfusion imaging and anatomic mapping with contrast ultrasound can differentiate collateral development, arteriogenesis and recovery of capillary perfusion in ischemic limbs. *Circulation (suppl)* 2005;112:II-502.
44. Gao JG, Kerut EK, Smart FS, Kapusta DK. Radiofrequency Renal Nerve Ablation Attenuates Hypertension in Spontaneously Hypertensive Rats. 3rd International Society of Hypertension: New Investigators' Symposium on Hypertension and Cardiovascular Disease. September 10th 2013

44. Gao JG, Kerut EK, Smart FS, Kapusta DK. Radiofrequency Renal Nerve Ablation Attenuates Hypertension in Spontaneously Hypertensive Rats. Louisiana Chapter – American College of Cardiology and American Society of Hypertension –Gulf Coast. October 11-12, 2013.
45. Gao JG, Kerut EK, Smart FS, Kapusta DK. Radiofrequency Renal Nerve Denervation Decreases Blood Pressure, Sympathetic Activity and Renal Norepinephrine Content in Spontaneously Hypertensive Rats (SHR). FASEB J May 2014, Experimental Biology 2014.

Articles

1. Kerut EK. Transesophageal Echocardiography: What Is It and What are the Indications for Its Use Journal of the Louisiana State Medical Society, February 1992,69-76.
2. Kerut EK, Truax WD, Borreson TE, Van Meter KW, Given MB, Giles TD. Detection of Right-to-Left Shunts in Decompression Sickness in Divers. American Journal of Cardiology, Vol. 79, Feb. 1, 1997, 377-378.
3. Giles TG, Ouyang J, Kerut EK, Given MB, Allen GE, McIlwain EF, Greenberg SS. Changes in Protein C in Early Cardiomyopathy and in Gracilis Muscle in the BB/Wor diabetic rat. American Journal of Physiology, Vol 274 (1), 1998, 4295-4307.
4. Kerut EK. Novel Application of Tissue Doppler Imaging: A Preliminary Observational Study. Echocardiography, Vol 15 (6), 1998,553-561.
5. Aslam AA, McIlwain EF, Talano JV, Ferguson TB, McKinnie J, Kerut EK. An Unusual Case of Embolic Stroke: A Permanent Ventricular Pacemaker Lead Entirely Within the Arterial System Documented by Transthoracic and Transesophageal Echocardiography. Echocardiography, Vol 16(4), 1999, 373-378.
6. Kerut EK, McKinnie JJ, Giles TD. Modern Evaluation of the Hypertensive Patient: Autonomic tone in cardiovascular disease and the assessment of heart rate variability. Blood Pressure Monitoring 1999, Vol 4(suppl 1): S7-S14.
7. Dearstine M, Taylor W, Kerut EK. Persistent Left Superior Vena Cava: Chest X-Ray and Echocardiographic Findings. Echocardiography, Vol 17(5), 2000, 453-455.
8. Kerut EK, Given MB, McIlwain E, Allen G, Espinoza C, Giles TD. Echocardiographic Texture Analysis Using the Wavelet Transform: Differentiation of Early Heart Muscle Disease. Ultrasound in Medicine and Biology, Vol 26, issue 9 (December 2000), 1445-1453.
9. Rouleau JL, Pfeffer MA, Stewart D, Isaac D, Sestier F, Kerut EK, Porter CB, Proulx, Qian C, Block AJ. Comparison of Vasopeptidase Inhibitor, Omapatrilat, and Lisinopril on Exercise

- Tolerance and Morbidity in Patients with Heart Failure: IMPRESS Randomised Trial. *Lancet*, Vol. 356 (August 19, 2000): 615-620.
10. Giles TD, Kerut EK, Roffidal LE, Jones R, Given MB, Hutchinson H, Tresznewsky O. The Influence of Dose of Angiotensin I-Converting Enzyme Inhibitor on Systolic Blood Pressure Variability in Heart Failure: A Substudy of the Assessment of Treatment with Lisinopril and Survival in Heart Failure (ATLAS) Trial. *Blood Pressure Monitoring* 2001; 6: 81-84.
 11. Kerut EK, Hanawalt C, Everson CT, Frank RA, Giles TD. Left Ventricular Apex to Descending Aorta Valved Conduit: Description of Transthoracic and Transesophageal Echocardiography Findings in Four Cases. *Echocardiography* 2001; 18(6): 463-468.
 12. Kerut EK, Norfleet WT, Plotnick GD, Giles TD. Patent Foramen Ovale: A Review of Associated Conditions and the Impact of Physiological Size. *Journal of the American College of Cardiology* 2001; 38(3): 613-623
 13. Kerut EK, Dearstine M, Everson CT, Giles TD. Left Atrial Septum Thrombus Masquerading as a Myxoma in a Patient with Aortic Stenosis in Sinus Rhythm. *Echocardiography* 2001; 18(8): 709-710.
 14. Giles TD, Given MB, Greenberg SS, Zhao X, Kerut EK, McIlwain E, Allen G. Myocardial Effects of Ethanol Consumption in the Rat with Streptozotocin-Induced Diabetes. *Alcoholism: Clinical and Experimental Research* 2002; 26(8):.
 15. Kerut EK, Given M, Giles TD. Review of Methods For Texture Analysis of Myocardium From Echocardiographic Images: A Means of Tissue Characterization. *Echocardiography* 2003; 20(8): 727-736.
 16. Pellett A, Kerut EK. The Chiari Network In An Echocardiography Student. *Echocardiography*, 2004; 21(1): 91-93.
 17. Pellett A, Kerut EK. The Doppler Equation. *Echocardiography* 2004; 21(2): 197-198.
 18. Hales WD, Sandhu SK, Kerut EK. The Amplatzer Septal Occluder As a Standard For Therapy of Secundum-Type Atrial Septal Defect. *Journal of the Louisiana State Medical Society* 2004; 156(2): 99-102.
 19. Batson RC, Falterman CJ, Craven J, Kerut EK. How to Perform Ultrasound Assisted Thrombin Injection for Closure of Iatrogenic Femoral Pseudoaneurysm. *Echocardiography* 2004; 21(3): 295-297.
 20. Kerut EK, Valina CM, Luka T, Pinkernell K, Delafontaine P, Alt EU. Technique and Imaging for Transthoracic Echocardiography of the Laboratory Pig. *Echocardiography* 2004; 21(5): 439-442.
 21. Kelley GP, Helmcke F, Kerut EK. Structural Complications of Native Aortic Valve Endocarditis. *Echocardiography* 2004; 21(4): 345-348.

22. Tirrito SJ, Augustine DR, Kerut EK. How to Measure Left Atrial Volume. *Echocardiography* 2004; 21(6): 569-571.
23. Pellett A, Kerut EK. The Tei Index: Methodology and Disease State Values. *Echocardiography* 2004; 21(7): 669-672.
24. Pellett AA, Tolar WG, Merwin DG, Kerut EK. Spectral Doppler Instrumentation. *Echocardiography* 2004; 21(8): 759-761.
25. Tirrito SJ, Kerut EK. How Not to Miss a Bicuspid Aortic Valve in the Echocardiography Laboratory. *Echocardiography* 2005; 22(1): 53-55.
26. Dabisch PA, Kerut EK, Liles JT, Wien G, Smith M, Patterson M, McCoul ED, Sears BW, Saenz R, Kadowitz PJ. Responses to Bradykinin are Mediated by NO- Independent Mechanisms in the Rat Hindlimb Vascular Bed. *Pharmacological Research* 2004 Dec; 50(6): 575-584.
27. Nachimuthu S, Ashby K, Humphers SG, Balasundaran P, Kerut EK. Utility of Echocardiography and Serum Troponin Levels in Pulmonary Embolism. *Echocardiography* 2005; 22(2): 151-153.
28. Reagan BW, Kerut EK. Patient-Prosthetic Aortic Valve Mismatch: Role of the Echocardiographer. *Echocardiography* 2005; 22(4): 365-366..
29. Daveron E, Jain N, Kelley G, Luer WH, Fermin C, Helmcke F, Kerut EK. Papillary Fibroelastoma and Lambli's Excrescences: Echocardiographic Diagnosis and Differential Diagnosis. *Echocardiography* 2005; 22(3): 285-287.
30. Reagan BW, Helmcke F, Kerut EK. Commonly Used Respiratory and Pharmacological Interventions in the Echocardiography Laboratory. *Echocardiography* 2005; 22(5): 455-460.
31. Pellett AA, Tolar WG, Merwin DG, Kerut EK. Doppler Aliasing. *Echocardiography* 2005; 22(6): 540-542..
32. Smith RL, Arimpen A, Helmcke FR, Kerut EK. Ruptured Congenital Sinus of Valsalva Aneurysm. *Echocardiography* 2005; 22(7): 625-628.
33. Kerut EK, Kelley G, Falco VC, Ovella T, Diethelm L, Helmcke F. Traumatic Deceleration Injury of the Thoracic Aorta. *Echocardiography* 2005; 22(8): 697-706.
34. Kerut EK, Falterman C, Hanawalt C, Frank R, Everson C, Hunter D. Iatrogenic Localized Ascending Aortic Intimal Hematoma During Left Coronary Artery Catheterization. *Echocardiography* 2005; 22(9): 785-787.
35. Velasquez EM, Glancy DL, Helmcke F, Kerut EK. Echocardiographic Findings in HIV Disease and AIDS. *Echocardiography* 2005; 22(10): 861-866.

36. Kerut EK, Hunter D, Hanawalt C, McIlwain EF, Helmcke F. Routine Screening for Abdominal Aortic Aneurysm in the Echocardiography Laboratory Using a “Modified” Abdominal Aortic Examination Protocol. *Echocardiography* 2006; 23(1): 83-85.
37. Kelley GP, Ghassan AD, Helmcke FR, Jain N, Al-Bataineh M, Glancy DL, Kerut EK. Atrial Electro-Mechanical Dissociation Masquerading as Restrictive Doppler Flow Pattern: A Case of Mitral Inflow “PseudoRestriction”. *Echocardiography* 2006; 23(2): 172-175.
38. Pellett A, Kerut EK. The Doppler Velocity Waveform. *Echocardiography* 2006; 23(6): 528-530.
39. Lee S, Kerut EK. A Case of “Unexplained” Decompression Sickness in a Commercial Diver. *Echocardiography* 2006; 23(8): 213-215.
40. Quin EM, Kerut EK, Brown AP, Fox ER. Aortic Pseudoaneurysm of a Bentall Composite Valve Graft Associated with Acute Cocaine Ingestion. *Echocardiography* 2006; 23(10): 886-889.
41. Mills T, Gupta S, Helmcke F, Lopera J, Harrison L, Martinez J, Glancy DL, Kerut EK. Post-Traumatic Pulmonary Arteriovenous Fistula Presenting as Multiple Embolic Strokes. *Echocardiography* 2007; 24(1): 79-82.
42. Kerut EK, Mills T, Helmcke F. Bronchogenic Cyst with Extrinsic Pulmonary Vein and Left Atrial Compression Presenting as Exertional Dyspnea. *Echocardiography* 2007; 24(2): 179-181.
43. Kerut EK, Lee S, Fox E. Diagnosis of an Anatomically and Physiologically Significant Patent Foramen Ovale. *Echocardiography* 2006; 23(9): 810-815.
44. Filipeanu CM, Zhou F, Lam ML, Kerut EK, Claycomb WC, Wu G. Enhancement of the Recycling and Activation of Beta-Adrenergic Receptor by Rab4 GTPase in Cardiac Myocytes. *J Biol Chem* 2006; 281: 11097-11103.
45. Kerut EK, Geraci SA, Falterman C, Hunter D, Hannawalt C, Giles TG. Atherosclerotic Renal Artery Stenosis and Renovascular Hypertension: Clinical Diagnosis and Indications for Revascularization. *The Journal of Clinical Hypertension* 2006; 8: 502-509.
46. Charlampidis D, Pascotto M, Kerut EK, Lindner JR. Anatomy and Flow in Normal and Ischemic Microvasculature Based on a Novel Temporal Fractal Dimension Analysis Algorithm Using Contrast Enhanced Ultrasound. *IEEE Transactions on Medical Imaging* 2006; 25(8): 1079-1086.
47. Kerut EK. Tiger Stripes. *Echocardiography* 2007; 24(5): 558-559.
48. Kerut EK, Hanawalt C, Dearstine M, Frank R, Everson C. Mitral Systolic Anterior Motion (SAM) with Dynamic Left Ventricular Outflow Obstruction Following Aortic Valve Replacement. *Echocardiography* 2007; 24(6): 658-660.

49. Thorne, KD, Kerut EK, Moore CK. Apical Ballooning “Tako-Tsubo” Syndrome Associated With Transient Left Ventricular Outflow Tract Obstruction. *Echocardiography*, 2007; 24(7): 770-772.
50. Kerut EK, Dearstine M, Hanawalt C, McIlwain E. Apical Short-Axis “Bread-Loaf” View for Visualization of Left Ventricular Apical Thrombi. *Echocardiography* 2007; 24(3): 284-285.
51. Kerut EK, Hanawalt C, Everson C. Role of the Echocardiography Laboratory in Diagnosis and Management of Pacemaker and Implantable Cardiac Defibrillator Infection. *Echocardiography* 2007; 24(9): 1008-1012.
52. Kerut EK, Dearstine M, Hanawalt C. Utility of Identification of the Falciform Ligament in the Echocardiography Laboratory. *Echocardiography* 2007; 24(8): 887-888.
53. Guggilam A, Haque M, Kerut EK, McIlwain E, Lucchesi P, Seghal I, Francis J. TNF- α Blockade Decreases Oxidative Stress in the Paraventricular Nucleus and Attenuates Sympathoexcitation in Heart Failure Rats. *American Journal of Physiology Heart Circ Physiol* 2007; 293: H599-H609.
54. Alnabhan N, Kerut EK, Geraci SA, McMullan MR. An Approach to Analysis of Left Ventricular Diastolic Function and Loading Conditions in the Echocardiography Laboratory. *Echocardiography* 2008; 25(1): 105-116.
55. Pascotto M, Leong-Poi H, Kaufmann B, Allrogen A, Charlampidis D, Kerut EK, Kaul S, Lindner JR. Assessment of Ischemia-Induced Microvascular Remodeling Using Contrast-Enhanced Ultrasound Vascular Anatomic Mapping. *Journal of the American Society of Echocardiography* 2007; 20(9): 1100-1108.
56. Barton M, Kerut EK, Hanawalt C, D’Antonio M. Appearance of the Duodenal Bulb in the Echocardiography Laboratory. *Echocardiography* 2008; 25(4): 449-450. (CME)
57. Kerut EK. The Mitral L Wave: A Relatively Common But Ignored Useful Finding. *Echocardiography* 2008; 25(5): 548-550.
58. Dabisch PA, To F, Kerut EK, Horsmon MS, Mioduszewski RJ. Multiple Exposures to Sarin Vapor Result in Parasympathetic Dysfunction in the Eye but not the Heart. *Toxicol. Sci* 2007(Sept 1); 99(1): 354 - 361.
59. Kerut EK. Anatomy of the Left Atrial Appendage. *Echocardiography* 2008; 25(6); 669-673. (CME).
60. Kerut EK, Kerut DG, Fleisig GS, Andrews JR. Prevention of Arm Injury in Youth Baseball Pitchers. *J La State Med Soc* 2008; 160 (March/April): 95-98. (CME)

61. Kerut EK, Dearstine M, Dottery P, Nanda NC. Particulate Matter Within the Inferior Vena Cava. *Echocardiography* 2008; 25(7): 803-804 (CME)
62. Kerut EK. Coronary Risk Assessment and Arterial Age Calculation Using Coronary Artery Calcium Scoring and the Framingham Risk Score. *Echocardiography* 2011; 28: 686-693.
63. Kerut EK, McKinnie J, Reilly JP, Hanawalt C, Everson CT. Doppler Evidence of Persistent Left Atrial Mechanical Standstill with Normal P Waves by Electrocardiogram after Biatrial CryoMaze Procedure for Atrial Fibrillation. *Echocardiography* 2011; 28(7): 809-811.
64. Kerut EK, To F. Risk of Low-Level Ionizing Radiation from Medical Imaging Procedures. *Echocardiography* 2011; 28: 593-595.
65. Kerut EK, Hanawalt C, Everson C. Echo Features of Posteromedial Papillary Muscle Rupture without Papillary Muscle Prolapse into the Left Atrium. *Echocardiography* 2011; 28 (9):1046-1048.
66. Kerut EK, Hanawalt C, Everson C, Kushner F. A Bileaflet CarboMedics Aortic Prosthesis with a New Unusual “Linear” Central Regurgitant Jet: A Sign of Subtle Incomplete Closure of One Leaflet? *Echocardiography* 2012; 29(4): 505-507.
67. Kerut EK, Bourgeois B, Serio J, Nanda N. Intrapulmonary Shunts and Its Implications for Assessment in Stroke and Divers with Type II Decompression Illness (Editorial). *Echocardiography* 2013; 31: 3-4.
68. Becnel J, Johnson O, Majeed ZR, Tran V, Yu B, Roth B, Cooper RL, Kerut EK, Nichols CD. A Pharmacogenetic Approach for Robustly Controlling Behavior, Neuronal Signaling, and Physiology in *Drosophila*. *Cell Reports* September 12, 2013; 4: 1-11.
69. Kerut EK, Hanawalt C, Everson CT, Nanda NC. The Air Gap Sign. *Echocardiography* 2014; 31:400-401.
70. Kerut EK. Microbubbles In the Left Ventricle Associated with Mechanical Aortic Valve Regurgitation Signifies Valvular (Not Peri-Valvular) Regurgitation. *Echocardiography* 2014; 31:540-542.
71. Kerut KD, Kerut EK. Echo Diagnosis of Rheumatic Tricuspid Valve Disease. *Echocardiography* 2014; 31:680-681.
72. Kerut EK, Kushner F. Prosthetic Valve Strands. *Echocardiography* 2014; 31: 788-789.
73. Kerut EK, Hanawalt C, McKinnie J. Transesophageal Echocardiography during Pulmonary Vein CryoBalloon Ablation for Atrial Fibrillation. *Echocardiography* 2015; 32: 281-290.
74. Kerut EK, Hanawalt C. Scimitar Vein with Anomalous Pulmonary Venous Return in an Adult. *Echocardiography* 2015; 32: 699-703.

75. Kerut EK. Editorial: Intrapulmonary Shunts and Its Clinical Implications for the Echocardiographer. *Echocardiography*, In Press.
76. Souza F, Kerut E, Breslin J, Molina P. Mechanisms of Acute Alcohol Intoxication-Induced Modulation of Cyclic Mobilization of [Ca²⁺] in Rat Mesenteric Lymphatic Vessels. *Lymphatic Research and Biology*, In Press.
77. Quevedo H, Samson R, Li Z, Mohsen G, Helmcke F, Kerut E, Sander G. Role of Four-Dimensional Transesophageal Echocardiography in Diagnosis of Mechanical Tricuspid Valve Obstruction Due to Thrombus. *Echocardiography*, In Press.
78. Kerut EK, McKinnie J, Hanawalt C. Isolated Left Atrial Mechanical Standstill after Catheter Ablation of Atrial Fibrillation. *Echocardiography*, In Press.

Guest Editor

Kerut, Edmund Kenneth and John P. Payne. Special Issue: Resynchronization Therapy. *Echocardiography* 2008; 25(9): 1019-1064; *Echocardiography* 2008; 25(10): 1155-1194.

Book Reviews

The Echocardiographers' Guide, by Ted Plappert and Martin G St John Sutton, Informa Healthcare, Philadelphia, 2006. In: *Echocardiography* 2006; 23(9): 816.

Consultant

“Data and Opinion Relevant to the Committee’s Charge – Emphasis on Screening Methods”
Workshop – Patent Foramen Ovale: Evaluation of Its Role as a Risk Factor for Severe Decompression
Sickness during Exposures to Reduced Atmospheric Pressures
National Aeronautics and Space Administration
Office of Life and Microgravity Sciences and Applications
Lyndon B. Johnson Space Center
Houston, Texas (August, 1999)

Recommendations for the G.V. (Sonny) Montgomery VA Medical Center Echocardiography
Laboratory
Jackson, Mississippi (April 2006)

Reviewer

American Heart Association (National)
Bioengineering & Biotechnology Study Group (2005)

Journal Reviewer

Echocardiography: A Journal of Cardiovascular Ultrasound and Allied Techniques
 American Journal of Cardiology
 Ultrasound in Medicine and Biology

Journal Editor

Section Editor - "Echo Rounds", Echocardiography: A Journal of Cardiovascular Ultrasound and Allied Techniques; January 2004 -

Senior Associate Editor – Echocardiography: A Journal of Cardiovascular Ultrasound and Allied Techniques; January 2005 -

Books and Book Chapters

1. Giles T and Kerut EK.
 "Restrictive and Obliterative Cardiomyopathy"
 Book Chapter in: Cardiology
 Parmley and Chatterjee - Editors
 Lippincott Publishers
 Philadelphia, 1996.
2. Kerut EK, McIlwain EF, Plotnick GD.
 "Handbook of Echo-Doppler Interpretation"
 Futura Medical Publishing
 Armonk, New York, 1996.
 (English, Spanish, Italian, Portuguese)
 First Printing 1996
 Second Printing 2000
3. Kerut EK, McIlwain ER, Plotnick GD, Giles T.
 "Video Case Studies of Echocardiography: An Interactive CD-ROM"
 Futura Medical Publishing
 Armonk, New York, 2000
4. Kerut EK, McIlwain EF, Plotnick GD
 "Handbook of Echo-Doppler Interpretation"
 2nd Edition
 Blackwell Futura Publishing
 Elmsford, New York, 2004
 (English, Portuguese)

Technical Papers (White Paper)

1. "Novel Application of Tissue Doppler Imaging"
Toshiba Corporation
Toshiba Corporation Medical Systems Division, 1997.
Tustin, California, 1997.

PATENT

Method and Apparatus for the Early Detection of Tissue Pathology Using Wavelet Transformation
July 2002 09/414,123 (Edmund K. Kerut) United States

Method and Apparatus for the Early Detection of Tissue Pathology Using Wavelet Transformation
December 20, 2005 2,354.272 (Edmund K. Kerut) Canada

RESEARCH PROJECTS & GRANT SUPPORT:

Coinvestigator

Interaction of cytokines with renin-angiotensin system in heart failure.
Board of Reagents grant.
LSU School of Veterinary Medicine
Baton Rouge, Louisiana
Amount: \$89,900
07/01/2005 to 07/06/2007.

Coinvestigator

Cytokine induced neurohumoral excitation in heart failure.
NHLBI. 1RO1 HL080544-01
Amount: \$1.47 million.
09/01/2005 to 08/31/2009.

National Institutes of Health Externship
Computers in Clinical Medicine
Bethesda, Maryland
10/05/81 - 11/20/81

Research Assistant Engineering Foundation Grant
Dept of Biological Engineering
School of Engineering
Mississippi State University
(RC-A-77-1)
5/79 - 8/79

Research Assistant National Institutes of Health Grant
 Dept of Biological Engineering
 School of Engineering
 Mississippi State University
 (HD 12382-01)
 1/78 - 8/78

Pressure transducer design for a left ventricular assist device
 (Senior Undergraduate Engineer Project)
 5/78

COMPUTER PROGRAMS WRITTEN:

Quantitative Analysis of Temporal Florescence of Fly Brain Cells
 Dept of Pharmacology, LSUHSC, New Orleans, LA

Texture Analysis of Fly Brain Cellular Architecture
 Dept of Pharmacology, LSUHSC, New Orleans, LA

Video Quantitative Analysis of Rat Lymph Duct Contractile Function
 Dept of Physiology, LSUHSC, New Orleans, LA
 (Measures of Contractile Frequency and Force of Contraction –MATLAB)

Analysis of Blood Pressure Variability and Heart Rate Variability in the Laboratory Rat
 Dept of Pharmacology, LSUHSC, New Orleans, LA
 (Analysis of Blood Pressure Waveforms –MATLAB)

Analysis of Texture –
 Skeletal Muscle
 Atherosclerotic Lesions
 Fly Brain Cellular Architecture -Dept of Pharmacology, LSUHSC, New Orleans, LA
 (Histogram Statistics, multidimensional wavelets – MATLAB)

Temporal Fractal Analysis of Vascular Flow and Anatomy
 (with Dr. Dimitrios Charalampidis, Univ of New Orleans)
 (multidimensional temporal fractals – MATLAB)

Analysis of Texture Programs
 (with Dr. Dimitrios Charalampidis, Univ of New Orleans)
 (wavelet and multidimensional fractals - MATLAB)

Analysis of Myocardial Texture Programs
 Cardiovascular Research Laboratory
 LSU School of Medicine
 New Orleans, Louisiana, 1998
 (Statistical, frequency domain and wavelet analysis – MATLAB)

Analysis of Heart Rate Variability Programs
 Cardiovascular Research Laboratory, LSU School of Medicine
 New Orleans, Louisiana, 1998
 (Time and frequency domain analysis of heart rate variability –MATLAB)

Analysis of Heart Rate Variability Programs
 Cardiovascular Research Laboratory, LSU School of Medicine
 New Orleans, Louisiana, 1997
 (Time and frequency domain analysis of heart rate variability - DADiSP 4.0)

A Computer Program for Analysis of the Rat Electrocardiogram
 National Institutes of Health; November, 1981
 (Time series and spectral analysis of the rat electrocardiogram and vectorcardiogram –
 FORTRAN code)

Time Series Analysis of Biological Phenomena
 Department of Agricultural and Biological Engineering
 Mississippi State University; August, 1979
 (Time series and spectral analysis of canine electrocardiogram and phonocardiogram data -
 FORTRAN code)

Time Series Analysis of Reproductive Tract Motility
 Department of Agricultural and Biological Engineering
 Mississippi State University; August 1978
 (Time series and spectral analysis of baboon cervical motility - FORTRAN code)

Simulation of a Medical Clinic
 Department of Agricultural and Biological Engineering
 Mississippi State University, 1978
 Senior Undergraduate Computer Project
 (Discrete event simulation of a multi-physician medical clinic - SIMSCRIPT language)

INVITED LECTURES and CONFERENCES:

"Clinical Use of Transesophageal Echocardiography"
 Medicine Grand Rounds, LSU Medical Center
 New Orleans, Louisiana (July, 1990)

"Uses of Transesophageal Echocardiography"
 Gulf Coast Community Hospital
 Biloxi, Mississippi (August, 1990)

"Transesophageal Echocardiography"
 The Internal Medicine Group
 New Orleans, Louisiana (December, 1991)

"Transesophageal Echocardiography"
 Trident Regional Medical Center
 Charleston, South Carolina (February, 1991)

"Transesophageal Echocardiography: Emergency and Diving Medicine"
 LSUMC Emergency Medicine Conference
 LSU School of Medicine
 New Orleans, LA (June, 1992)

"Transesophageal Echocardiography"
 Medicine Grand Rounds, LSU Medical Center
 New Orleans, LA (July, 1992)

"Transesophageal Echocardiography"
 Meadowcrest Hospital
 Gretna, LA (November, 1992)

"Techniques: Echocardiography"
 New Orleans Cardiology Board Review
 LSU School of Medicine
 New Orleans, Louisiana (October, 1993)

"Clinical Application of Transesophageal Echocardiography"
 Cardiology Grand Rounds, LSU Medical Center
 New Orleans, Louisiana (April, 1994)

The Echocardiography Laboratory of the 90's"
 Meadowcrest Hospital
 Gretna, Louisiana (July, 1994)

An Intense Review of Advanced Echo-Doppler Concepts:
 Techniques and Interpretation"
 Course Director, West Jefferson Medical Center
 Marrero, Louisiana (September, 1994)

The Echocardiography Laboratory of the 90's"
 Medicine Grand Rounds, LSU Medical Center

New Orleans, Louisiana (September, 1994)

" Transesophageal Echocardiography in the Operating Room"
Tulane University Anesthesia Department
New Orleans, Louisiana (September, 1994)

The Echocardiography Laboratory of the 90's"
Cardiology for the Primary Care Physician
LSU School of Medicine
New Orleans, Louisiana (December, 1994)

"Transesophageal Echocardiography"
Tulane University Anesthesia Department
New Orleans, Louisiana (June, 1995)

"Heart Failure: The Echocardiographer's Perspective"
Cardiology Grand Rounds, LSU Medical Center
New Orleans, Louisiana (June, 1995)

Techniques: Echocardiography"
New Orleans Cardiology Board Review
LSU School of Medicine
New Orleans, Louisiana (October, 1995)

" Heart Failure: The Echocardiographer's Perspective"
Cardiology Conference, Tulane University Cardiology Department
New Orleans, Louisiana (October, 1996)

Echocardiography in the 1990's"
Medicine Conference, Tulane University Medicine Department
New Orleans, Louisiana (October, 1996)

Echocardiography in the 1990's"
Medical Staff Conference, West Jefferson Medical Center
Marrero, Louisiana (October, 1996)

" Echocardiographic Evaluation of Masses, Pseudo-masses,
Tumors, and Source of Embolism"
Cardiology Grand Rounds, Tulane University Cardiology Department
New Orleans, Louisiana (February, 1997)

" Hemodynamic Equations, Systolic and Diastolic Function,
Tissue Doppler Imaging"
Prosthetic Heart Valves and Conduits"

" Source of Embolism, Evaluation Prior to Cardioversion"
"Infective Endocarditis"

“Critical Care”

“Tutorial: Interesting Cases”

Echo New Orleans - Course Co-Director
Tulane University School of Medicine
New Orleans, Louisiana (April, 1997)

“Assessment of Prosthetic Valves”

“TEE in SBE and Embolism”

The New Orleans 1997 American Society of Echocardiography
Special Competency Exam in Echocardiography Review Course
New Orleans, Louisiana (May, 1997)

“Prosthetic Heart Valves”

Cardiology Grand Rounds, Tulane University Cardiology Department
New Orleans, Louisiana (June, 1997)

“Echocardiography for the Primary Care Physician”

Meadowcrest Hospital
Gretna, Louisiana (August, 1997)

“Echo Hemodynamics and Equations”

Basic Science and Pathophysiology Seminar
Tulane University Medicine Department
New Orleans, Louisiana (August, 1997)

“Techniques: Echocardiography”

New Orleans Cardiology Board Review, LSU School of Medicine
New Orleans, Louisiana (September, 1997)

“Masses, Pseudomasses, Tumors in Echocardiography”

Cardiology Grand Rounds, Tulane University Cardiology Department
New Orleans, Louisiana (October, 1997)

“Echo Hemodynamics and Equations/Practical Application of LV Function”

“Tumors, Pseudotumors, Clots: Importance of Adding TEE”

“Source of Embolism and Atrial Fibrillation: Role of TEE”

“Endocarditis: The Role of Echo and TEE”

“Prosthetic Valves and Conduits: Is TEE Necessary”

“Tutorial: Interesting Case Studies: Native and Prosthetic Valve Disease”

“Tutorial: Interesting Case Studies: Cardiomyopathy, Congenital, Source of Embolism,
Masses”

Echo New Orleans - Course Co-Director
Tulane University School of Medicine
New Orleans, Louisiana (April, 1998)

“Role of Echo in CV Risk Assessment”

Current Concepts in Cardiovascular Risk Assessment

LSU School of Medicine
New Orleans, Louisiana, (July, 1998)

“Research in Heart Rate Variability and Myocardial Texture”
Department of Agricultural and Biological Engineering
School of Engineering
Mississippi State University
Mississippi State, Mississippi (September, 1998)

“Echocardiography Indications”
Residents Noon Lecture, Department of Medicine
Tulane University School of Medicine
New Orleans, Louisiana (October, 1998)

“Techniques: Echocardiography”
New Orleans Cardiology Board Review
LSU School of Medicine
New Orleans, Louisiana (October, 1998)

“Coronary Artery Disease and Risk Factor Reduction”
Medical Staff Conference, Meadowcrest Hospital
Gretna, Louisiana (December, 1998)

“Fellow’s Board Review – Echo Hemodynamics”
Tulane University School of Medicine, Division of Cardiology
New Orleans, Louisiana (January, 1999)

“Fellow’s Board Review – Echo Diastole/Cardiomyopathy”
Tulane University School of Medicine, Division of Cardiology
New Orleans, Louisiana (February, 1999)

“Decreasing your Risk of Cardiovascular Disease”
Medical Staff Conference, West Jefferson Medical Center
Marrero, Louisiana (February, 1999)

“Fundamentals of Quantitative Doppler Techniques: Practical Applications”
“Tumors, Pseudotumors, and Clots: Importance of Adding TEE”
“Evaluation of Source of Embolism: Role of TEE”
“Tutorial: Interesting Video Case Studies”
Echo New Orleans- Course Co-Director
Tulane University School of Medicine, Division of Cardiology
New Orleans, Louisiana (April, 1999)

“Evaluation of Myocardial Texture”
Division of Cardiology, University of Mississippi
School of Medicine

Jackson, Mississippi (September, 1999)

“Evaluation for Screening of Embolism Including Stroke and Decompression Sickness”
Cardiology Conference, East Jefferson General Hospital
Metairie, Louisiana (October, 1999)

“Techniques: Echocardiography I & II”
New Orleans Cardiology Board Review, LSU School of Medicine
New Orleans, Louisiana (October, 1999)

“Cholesterol and Vitamins”
West Jefferson Medical Center
Marrero, Louisiana (January, 2000)

“The Clinical Significance of PFO and Importance of Determining Its Size: A Review”
Aerospace Medical Association
Houston, Texas (May, 2000)

“Heart Failure – Diagnosis and Management”
West Jefferson Medical Center
Marrero, Louisiana (September, 2000)

“Techniques: Echocardiography I & II”
Sixth New Orleans Cardiology Board Review
LSU School of Medicine
New Orleans, Louisiana (October, 2000)

“Echo Hemodynamics”
Division of Cardiology, Department of Medicine
East Tennessee State University
Johnson City, Tennessee (December, 2000)

“Analysis of Myocardial Texture”
“Interesting Echo Cases”
Division of Cardiology, University of Arizona
Tucson, Arizona (March, 2001)

“Fundamentals of Doppler Hemodynamics and Diastolic Function”
“Source of Embolism”
“Video Case Studies”
Echo New Orleans 2001, Tulane University School of Medicine
New Orleans, Louisiana (June 2001)

“Heart Failure”
3rd International Medical Update
East Tennessee State University

Johnson City, Tennessee (August 2001)

“Cardiovascular Risk Factors and New National Cholesterol Education Program Guidelines:
Impact on the Way We Practice Medicine”

Meadowcrest Hospital

Gretna, Louisiana (September 2001)

“Texture Analysis of Ultrasound Images to Detect Early Cardiomyopathy”

Department of Agricultural and Biological Engineering

Mississippi State University, Mississippi

(September 2001)

“Reducing Risk of Cardiovascular Events”

West Jefferson Medical Center

Marrero, Louisiana (September 2001)

“Echocardiography”

Seventh New Orleans Cardiology Board Review

Louisiana State University, School of Medicine

New Orleans, Louisiana (October 2001)

“Cardiac Source of Embolism”

Cardiology Grand Rounds, LSU School of Medicine

New Orleans, Louisiana (November 2001)

“Cardiac Source of Embolism I”

Cardiology Grand Rounds, Tulane University School of Medicine

New Orleans, Louisiana (December 2001)

“Evaluation of Diastolic Function”

“Analysis of Myocardial Texture”

Cardiology Conference

University of Mississippi, School of Medicine

Jackson, Mississippi (February 2002)

“Spectrum of Echo Findings in Hypertension”

First Annual Scientific Meeting

Gulf Central Regional Chapter

American Society of Hypertension

Biloxi, Mississippi (February 2002)

“Fundamentals of Doppler Hemodynamics; Basic and Complex Equations”

“Cardiac Masses, Missiles and Unusual Cases: Role of TTE and TEE”

“Stroke, Atrial Fibrillation, PFO and Septal Aneurysms: Role of TTE and TEE”

Echo New Orleans 2002

Tulane University School of Medicine

New Orleans, Louisiana (April 2002)

“Lipids Update”

West Jefferson Medical Center
Marrero, Louisiana (May 2002)

“Echocardiographic Evaluation of Prosthetic Heart Valves”

Cardiology Grand Rounds, LSU Health Sciences Center
New Orleans, Louisiana (March 2003)

“Prosthetic Heart Valves”

Cardiology Conference, University of Mississippi
Jackson, Mississippi (March 2003)

“Fundamentals of Doppler Hemodynamics; Basic and Complex Equations”

“Cardiac Masses, Missiles and Unusual Cases: Role of TTE and TEE”

“Stroke, Atrial Fibrillation, PFO and Septal Aneurysms: Role of TTE and TEE”

Echo New Orleans 2003
Tulane University School of Medicine
New Orleans, Louisiana (April 2003)

“Update on Lipid Lowering Therapy”

West Jefferson Medical Center
Marrero, Louisiana (September 2003)

“Update on Lipid Lowering Therapy”

Meadowcrest Hospital
Gretna, Louisiana (September 2003)

“Ultrasound Imaging and Tissue Characterization of the Laboratory Animal”

Department of Physiology
School of Medicine
University of Mississippi
Jackson, Mississippi (March 2004)

“Fundamentals of Doppler Hemodynamics; Basic and Complex Equations”

“Cardiac Masses, Missiles and Unusual Cases: Role of TTE and TEE”

“Stroke, Atrial Fibrillation, PFO and Septal Aneurysms: Role of TTE and TEE”

Echo New Orleans 2004
Tulane University School of Medicine
New Orleans, Louisiana (April 2004)

“Ultrasound Imaging and Tissue Characterization of the Laboratory Animal”

Echocardiography Conference
Division of Cardiology
University of Alabama at Birmingham
Birmingham, Alabama (April 2004)

“Fundamentals of Doppler Hemodynamics”

“Interesting Cases”

Echo New Orleans 2005

Tulane University School of Medicine

New Orleans, Louisiana (April 2005)

“Interesting Echo Cases”

Echocardiography Conference

Division of Cardiology

University of Maryland

Baltimore, Maryland (May 2005)

“Interesting Case Studies”

Cardiology Conference

Division of Cardiology

University of Missouri

Columbia, Missouri (December 2005)

“Transthoracic and Transesophageal Echocardiography in the ICU”

Cardiology in the ICU

American College of Chest Physicians

Chicago, Illinois (October 2007)

“Echocardiography in the Hospital Setting”

CME Conference

Ochsner Medical center – West Bank

Gretna, Louisiana (April 2007)

“Prevention of Coronary Artery Disease”

CME Conference

Ochsner Medical Center – West Bank

Gretna, Louisiana (August 2011)

“Source of Embolism”

LSU Vascular Surgery Conference

West Jefferson Medical Center

Marrero, Louisiana (September 2013)

CLINICAL STUDIES

1. Co-Investigator, LIFE Trial (Losartan Intervention For Endpoint reduction in hypertension)
LSU Medical Center, Cardiovascular Research Laboratory
New Orleans, Louisiana (1995)

2. Co-Investigator, SISH (Stage I Systolic Hypertension)
LSU Medical Center School of Medicine
New Orleans, Louisiana (1995)
3. Co-Investigator, ANA-756 (A Randomized, Double-Blind, Placebo-
Controlled Comparison of ANA-756 and Losartan in (Essential Hypertension)
LSU Medical Center, Cardiovascular Research Laboratory
New Orleans, Louisiana (1996)
4. Co-Investigator
MERIT-HF (Metoprolol CR/XL Randomized Intervention
Trial in Congestive Heart Failure)
LSU Medical Center, Cardiovascular Research Laboratory
New Orleans, Louisiana (1996)
5. Co-Investigator BC14809B (The Effect of Ro 40-5967 on ETT duration (6 months) and
on all causes of Mortality in Comparison with Placebo in Patients with Chronic Heart
Failure (NYHA Class II-IV) treated for approximately 3 years
LSU Medical, Center Cardiovascular Research Laboratory
New Orleans, Louisiana (1994)
6. Co-Investigator, ATLAS (Assessment of Treatment with Lisinopril And Survival) LSU
Medical Center Cardiovascular Research Laboratory
New Orleans, Louisiana (1992)
7. Co-Investigator, ACT (Study of the Safety and the Pharmacodynamic
Effects of SR33589B Administered Orally for One Month to Patients with Left
Ventricular Dysfunction)
LSU Medical Center, Cardiovascular Research Laboratory
New Orleans, Louisiana (1996)
8. Principal Investigator, 1518US/0006 (A Trial to Investigate the Effect of
Lisinopril and Nisoldipine Combination Therapy on Heart Rate Variability in Diabetic
Patients with Left Ventricular Dysfunction)
LSU Medical Center, Cardiovascular Research Laboratory
New Orleans, Louisiana (1996 - 1998)
9. Sub-Investigator, PURSUIT, Receptor Suppression Using Integrelin
Therapy (Platelet IIb/IIIa in Unstable Angina) (1996 - 1997)
10. Principal Investigator, CV137-013 (Pilot Evaluation of the Effects of the DMP
Inhibitor BMS-186716 on Functional Capacity in Subjects with Heart Failure) (1996 - 1998)
11. Principal Investigator, CV137-018 (Evaluation of the Safety/Tolerability of Long-Term
Treatment with the DMP Inhibitor BMS-186716 or Lisinopril in Subjects with Heart Failure)
(1996)

12. Principal Investigator, Parke-Davis #981-176/Pfizer #258/101 (A 54-Week Open Label Assessment of the Safety and Efficacy Profile of Atorvastatin as Compared to Fluvastatin, Lovastatin, Simvastatin, and Pravastatin When Used to Optimally Control Primary Hyper-cholesterolemia (Type IIA) and Mixed Dyslipidemia (Type IIB) (1997 -1999)
13. Principal Investigator, Bristol-Meyers Squibb, CV 131-061: A Multi-Center Randomized Study of Irbesartan Compared with Lisinopril in Subjects with Heart Failure. (1997 - 1999)
14. Sub-Investigator , WYETH-AYERST Research Division Conducted through Kendle International Inc., Protocol 0927B2-916, Evaluation of Duration of Treatment on Echocardiograms in Patients Treated with Anorexigens for at least three Continuous Months. (1998 -1999)
15. Principal Investigator, IMPRESS, Protocol CV137-028 Inhibition of Metalloprotease (BMS-186716) in a Randomized Exercise and Symptoms Study in Subjects with Heart Failure (1998 - 1999)
16. Principal Investigator, Treating to New Targets (TNT), Parke-Davis (1998-)
17. Principal Investigator, CV123-211 A Double-Blind Comparison of 10,20,40 and 80 mg Doses of a Modified –Release Formulation of Pravastatin, of Atorvastatin 10 mg, and of Simvastatin 20 mg with Placebo in Hypercholesterolemic Patients, Bristol-Myers Squibb (1999-)
18. Sub-Investigator, VALUE DioVan Antihypertensive Longterm Use Evaluation), Novartis (1999 -)
19. Principal Investigator, CGP 48933 Multicenter, randomized, double blind, placebo-controlled, parallel trial to assess the effect of valsartan on exercise capacity, quality of life, and signs and symptoms, in patients with stable, chronic congestive heart failure (NYHA Class II-IV). Ciba-Geigy (1999 -2000)
20. Principal Investigator, OVERTURE Omapatrilat versus Enalapril Randomized Trial of Utility in Reducing Events, Bristol-Myers Squibb (1999 -2001)
21. Sub-Investigator, VALIANT STUDY, Novartis – A multinational, multi-center, double-blind, randomized, active controlled, parallel group study comparing the efficacy and safety of long-term treatment with Valsartan, Captopril and their combination in high-risk patients after myocardial infarction (1999 - 2002)

17. Sub-Investigator, BMS CV137-066, A Randomized, Double-Blind, Amlodipine and Losartan controlled Study of Omapatrilat in Subjects with Mild to Moderate Hypertension (1999-2000)
18. Principal Investigator, ASSENT 3 (Assessment of the Safety and Efficacy of New Thrombolytic Regimens), Boehringer Ingelheim (1999-)
19. Principal Investigator, CV123-231, A Double-Blind Comparison of 80 and 160 mg Doses of Pravastatin with Placebo in Hypercholesterolemic Subjects Bristol-Myers Squibb (2000-)
20. Sub-Investigator, ATA-201, A Multi-Center, Double-Blind Placebo Controlled Study of AT-1015 in Patients with Intermittent Claudication due to Peripheral Arterial Disease, Ajinomoto (2000-)
21. Sub-Investigator, CV 154-008, Multicenter, Randomized, Double Blind Placebo-Controlled Dose Ranging Study of the Long Term (12 Weeks) Hemodynamic Effects, Safety and Tolerability of BMS-207940, A Selective Endothelin Receptor Antagonist, in the Treatment of Heart Failure Bristol-Myers Squibb (2000)
22. Principal Investigator, 981-400-421, SAGE, A Prospective, Randomized, Double-Blind, Multi-Center Study Comparing the Effects of Aggressive Lipid-Lowering with Moderate Lipid-Lowering on the Reduction of the Total Duration of Myocardial Ischemia in the Elderly as Measured by Holter Monitoring by Comparing the Maximal Doses of Two Statins: Study Assessing Goals in the Elderly, Parke-Davis/Pfizer (2000-)
23. Principal Investigator, SCH58235, A Phase III Double-Blind Efficacy and Safety Study of SCH 58235 (10 mg) in addition to Atorvastatin in Subjects with Coronary Heart Disease or Multiple Cardiovascular Risk Factors and With Primary Hypercholesterolemia Not Controlled by a Starting Dose (10 mg) of Atorvastatin Schering-Plough (2000)
24. Principal Investigator, CV154-009, A Double-Blind Randomized Placebo-Controlled Study of the Efficacy and Safety of BMS-207940, A Selective Endothelin Receptor Antagonist, In Subjects with Intermittent Claudication, Bristol-Myers Squibb (2000- 2001)
25. Principal Investigator, GP00693, Phase II Double-Blind Efficacy and Safety Study of Ezetimibe (10 mg) + Atorvastatin in Subjects with CHD or Multiple Risk Factors and with Primary Hypercholesterolemia Not Controlled by a Starting Dose (10 mg) of Atorvastatin, Schering Plough Research Institute (2000)
26. Sub Investigator, ASSENT 3, Assessment of the Safety and Efficacy of New Thrombolytic Regimens, Boehringer-Ingelheim (2000-2001)

27. Sub-Investigator, 4522IL/0065, STELLAR, A 6-Week, Open-Label, Dose-Comparison Study to Evaluate the Safety and Efficacy of Rosuvastatin vs. Atorvastatin, Cerivastatin, Pravastatin, and Simvastatin in Subjects with Hypercholesterolemia (2001)
28. Sub-Investigator, 4522IL/0068, MERCURY II, An Open-Label, Randomized, Multi-Center, Phase IIIb, Parallel Group Switching Study to Compare the Efficacy and Safety of Lipid Lowering Agents Atorvastatin and Simvastatin with Rosuvastatin in High Risk Subjects with Type IIa and IIb Hypercholesterolemia (2001)
38. Sub-Investigator, SYNERGY, A Prospective, Randomized, Open-Label, Multicenter Study In Patients Presenting with Acute Coronary Syndromes (ACS) (2002)
39. Sub-Investigator, Medtronic, (WAVE) Worldwide study of Marquis VR Enhancements (2003)
40. Sub-Investigator, Astra-Zeneca, (POLARIS) Open label randomized multicenter, Phase IIb, Parallel Group switching study to compare the efficacy and safety of lipid lowering agents Atorvastatin and Simvastatin with Rosuvastatin in high risk subjects with Type IIa and IIb Hypercholesterolemia. (2003-)
41. Principal Investigator, Atherogenics, Inc., (ARISE), A prospective randomized, double-blind multi-center study comparing the effects of AGI 1067 versus placebo on the reduction of cardiovascular events in patients with Coronary Artery Disease (2003)
42. Sub-Investigator, Medtronic A-HIRATE: Atrial High Rate Episodes in Pacemaker Patients
43. AMERIN PHARMA, INC: AMR-01-01-0019 A Multi-Center, Prospective, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study to Evaluate the Effect of AMR 101 on Cardiovascular Disease or at High Risk for Cardiovascular Disease. REDUCE IT (Reduction of Cardiovascular Events with EPA – Intervention Trial)
44. Principal Investigator, Heart Rate Variability with Use of Psychostimulants in Attention Deficit Disorder. Children’s Hospital – LSU School of Medicine, New Orleans, Louisiana; West Jefferson Medical Center, Marrero, Louisiana. (2013-)