

CURTIS RAY PARTINGTON, M.D., Ph.D.

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Personal Born March 20, 1951 in Sterling, Kansas
Married to Beth Ann Partington, DVM, MS [Radiology]

Education M.D., University of Miami, 1983
Ph.D., Medicinal Chemistry, University of Kansas, 1977 [with Honors]
M.S., Medicinal Chemistry, University of Kansas, 1975
B.S., Chemistry, Fort Hays Kansas State University, 1973 [Summa
Cum Laude]

Board
Certification Diagnostic Radiology, American Board of Radiology, 1988
Neuroradiology, American Board of Radiology, 1995
Recertified by examination 2005: not renewed in 2015, no longer active

Present
Position Founding Partner, Radiology Specialists, LLC 11/1/2000 – Present
Staff Radiologist, Imaging Center of Louisiana
Staff Radiologist, MRI Specialists of Lake Charles
CEO Independent Medical Reviews, LLC

Previous
Positions Staff Radiologist, Our Lady of the Lake Regional
Medical Center 6/94 – 9/2000
Staff Radiologist, The NeuroMedical Center 5/94-3/2007
Adjunct Professor of Veterinary Radiology LSU Vet School
Partner – Radiology Associates – 5/99 – 9/2000

1991-99 Partner, Diagnostic Radiology Consultants
2/1/91 – 4/30/99 Staff Radiologist, Digital Diagnostic Center
Outpatient Diagnostic Center
Lane Memorial Hospital
Summit Hospital of Baton Rouge
Rehab Hospital of Baton Rouge
Consulting Radiologist, Baton Rouge General Medical Center
Our Lady of the Lake Medical Center VAMC, New Orleans

1989-91 Assistant Professor of Radiology and Neurosurgery
University of Wisconsin, Madison, Wisconsin
7/1/89 – 1/31/91 Staff Neuroradiologist, University of Wisconsin
Hospitals and Clinics, Madison, Wisconsin
Staff Neuroradiologist, William Middleton Veterans Hospital,
Madison, Wisconsin

Fellowship 1987-89 Neuroradiology, University of Wisconsin Hospital and

Training	Clinics, Madison, Wisconsin
Residency Training	1984-87 Diagnostic Radiology, University of Wisconsin Hospital and Clinics, Madison, Wisconsin 1983-84 Internal Medicine Intern, University of Wisconsin Hospital and Clinics, Madison, Wisconsin
Positions Held	1981-83 Medical Student, Ph.D. to M.D. Program, University of Miami, Miami, Florida 1980-81 Assistant Professor of Medicinal Chemistry and Natural Products, College of Pharmacy, University of Iowa 1977-80 Staff Fellow, National Institutes of Health, Bethesda, Maryland, Laboratory of Bioorganic Chemistry, John W. Daly, Ph.D., Director 1973-77 Ph.D. Student, University of Kansas, Lawrence, Kansas
Academic Awards	Resident's Award for Outstanding Faculty Teaching, University of Wisconsin Department of Radiology, 1990 Cum Laude Citation, Scientific Exhibit, RSNA 1990 Winthrop Fellowship in Diagnostic Imaging, 1988-89 Pharm-Tox Fellow [PRAT Fellow], Pharmacology-Toxicology Program, National Institutes of Health, NIGMS 1977-79 National Science Foundation Graduate Fellow, 1974-77 NIH Predoctoral Traineeship, 1973-74 A.W. Davidson Award for Outstanding Chemistry Graduate Student, University of Kansas Chemistry Department, 1975 Outstanding Chemistry Graduate, Fort Hays Kansas State University, 1973 Phi Lambda Upsilon [Chemistry] Rho Chi [Pharmacy] Phi Kappa Phi [1972]
Professional Activities	Peer Review Referee for <i>American Journal of Neuroradiology Academic Radiology</i> , and <i>Veterinary Radiology</i> Course Coordinator Combined Neurosurgery-Neurology Weekly Case Management Conference, NeuroMedical Center and OLOL Regional Medical Center, Baton Rouge, LA 1991- 2005

PUBLICATIONS

1. Partington, C. R. and M.P. Mertes. The synthesis of ¹⁴C-labeled Carbonylbenzlyoxyphenylalaninemethylorthoester. *J. Label. Compound. Radiopharm.* 14: 223-32 [1978]
2. Henderson, J.D., C.R. Partington, and M. P. Mertes. The synthesis and pH effects on the hydrolysis of 5'-adenosyl phenylalanate. *J. Org Chem.* 44:100-1006 [1979]
3. Partington, C. R. and J.W. Daly. Effect of gangliosides on adenylate cyclase activity in rat cerebral cortex membranes. *Mol. Pharmacol.* 15: 484-491 [1979].
4. Partington, C.R. and J.W. Daly. Effect of proteases and protease inhibitors on adenylate cyclase activity in rat cerebral critical membranes. *Arch. Biochem. Biophys.* 198: 255-262 [1979].
5. Partington, C.R., M.W. Edwards, and J.W. Daly. Desensitization of adenylate cyclase in incubated slices from rat cerebral cortex. *J. Neurochem.* 34: 76-82 [1980].

6. Partington, C.R., M.W. Edwards, and J.W. Daly. Regulation of cyclic AMP formation in brain tissue by alpha-adrenergic receptors; requisite intermediacy of prostaglandins of the E series. *Proc. Natl. Acad. Sci. USA* 77: 324-3028 [1980].
7. Daly, J.W., E. McNeal, C.R. Partington, M. Neuwirth, and C.R. Creveling. Accumulations of cyclic AMP in adenine-labeled cell free preparations from guinea pig cerebral cortex: role of alpha-adrenergic and H1-histaminergic receptors. *J. Neurochem.* 35: 326-337 [1980].
8. Strother, C., P. Eldevik, Y. Kikuchi, V. Graves, C. Partington, and A. Merless. Thrombus formation, structure, and the evolution of mass effect in unclippable intracranial aneurysms treated by balloon embolization: emphasis on magnetic resonance findings. *Amer. J. Neurorad.* 10: 787-796 [1989].
9. Graves, V.B., C. R. Partington, D.A. Rufenacht, A. H. Rappe, and C. M. Strother. Treatment of carotid artery aneurysms with platinum coils: an experimental study in dogs. *Amer. J. Neurorad.* 11: 249-253 [1990].
10. Partington, C. R., D. A. Rufenacht, V. B. Graves, A. H. Rappe, A. Laurent, C. M. Strother, and J-J. Merland. Biocompatibility of one French polyethylene catheters used in interventional neuroradiology: experimental studies in dogs and rats. *Amer. J. Neurorad.* 11: 881-885 [1990].
11. Zupanc, M. L., E. G. Handler, R. L. Levine, T. W. Jahn, G. M. ZuRhein, J. M. Rozental, R.J. Nickles, and C. R. Partington. Rasmussen Encephalitis: epilepsy partialis continua secondary to chronic encephalitis. *Ped. Neurol.* 6: 397-401 [1990].
12. Digman, K. E., C. R. Partington, and V. B. Graves. MR imaging of spinal pachymeningitis. *J. Comput. Tomograph.* 14: 988-990 [1990].
13. Bell, C. A., C. R. Partington, M. Robbins, F. Graziano, P. Turski, and S. Kornguth. Identification of Steroid responsiveness in patients with CNS lupus erythematosus based on clinical, magnetic resonance and serological criteria. *Arth. Rheum.* 34: 432-441 [1991].
14. Weinstein, J. A., D. A. Rufenache, C.R. Partington, V. B. Graves, C. M. Strother, R. Appen, D. Jacobsen, T. Cox, and M. Moster. Post traumatic delayed loss of vision due to injury to the carotid artery. *Arch Neurol.* 48: 490-497 [1991].
15. Partington, C. R., V. B. Graves, and L. R. Hegstrand. Meningioangiomas. *Amer. J. Neurorad.* 12: 549-552 [1991].
16. Hollman, J. L. and C. R. Partington. Spasm and arterial injury. *Am. J. Cardiol.* 68: 525-527 [1991].
17. Graves, V. B., C. M. Strother, C. R. Partington, and A. H. Rappe. Flow dynamics of lateral carotid artery aneurysms and their effects of coils and balloons: an experimental study in dogs. *Amer. J. Neurorad.* 13: 189-192 [1992].
18. Crayton, H. E., C. R. Partington, and C. L. Bell. Spinal cord compression by epidural lipomatosis in systemic lupus erythematosus. *Arth. Rheum.* 35:482-484 [1992].
19. Levine, R. L., P. Verro, F. R. Korosec, P. A. Turski, C. A. Mistretta, and C. R. Partington. Magnetic resonance angiographic study of vertebral-basilar flow voids. *J. Neuroimag* 2: 175-180 [1992].
20. Verro, P., R. L. Levine, P. A. Turski, and C. R. Partington. Magnetic resonance angiography in vertebrobasilar ischemia. *J. Neuroimag.* 3: 132-138 [1993].
21. Partington, B. P., C. R. Partington, T. Tochak, and D. Biller. Transvenous embolization for treatment of patent ductus venosus in a dog. *J. Am. Vet. Med. Assoc.* 202: 281-284 [1993].

22. Lovejoy, J. C., G. A. Bray, C. S. Greeson, M. Klemperer, C. R. Partington, and R. Tulley. Oral anabolic steroid treatment, but not parenteral androgen treatment, decreases abdominal fat in obese older men. *Int. J. Obesity* 19: 614-624 [1995].
23. Gao, Y.Y., G. A. Bray, J. C. Lovejoy, L. K. Keys, A. Sparti, and C. R. Partington. Autonomic Activity Assessed by Heart Rate Spectral Analysis Varies with Fat Distribution in Obese Women. *Obesity Research* 4 [1d]: 1550-1572 [1996]
24. Lovejoy, J. C., G. A. Bray, M. O. Bourgeois, R. Macchiavelli, J. C. Rood, C. S. Greeson, and C. R. Partington. Exogenous Androgens influence body composition and regional body fat distribution in obese postmenopausal women – A clinical research center study. *J. Clin. Endocrin. Metab.* 81: 2198-2203 [1996].
25. Brooks, E. R., D. Heltz, P. Wozniak, C. Partington, and J. Lovejoy. Lateral Spine Densitometry in Obese Women. *Calcified Tissue International* 63: 173-176 [1998].
26. Johnson, R. P., T. M. Neer, B. P. Partington, D. Y. Cho and C. R. Partington. Familial Cerebellar Ataxia with Hydrocephalus in Bull Mastiffs. *Vet. Radiol. And Ultrasound* 42 [3]: 246-9 [2001].

BOOK CHAPTERS

1. Partington, C. R. “Part I. The Chemical Synthesis of Aminoacyl tRNA. Part II. Approaches to the Origin of the Genetic Code: Template Direction of Acyl Transfer Reactions” Ph.D. Dissertation, Kansas University, Lawrence, Kansas. [1977].
2. Daly, J. W. and C. R. Partington. Adrenergic Receptors and Adenylate cyclase in Membrane Preparations from the Central Nervous System. In; *Catecholamines: Basic and Clinical Frontiers*. Usdin, E., I. Kopin, and J. Barches (eds): Pergamon Press, New York, [1979].
3. Partington, C. R. and B. K. Rao. Acute Cholecystitis. In *Modern Imaging of the Liver*. Wilson, M. A. and F. F. Ruzicka (eds), Marcel Dekker, New York. pp 567-587, [1988].
4. Graves, V. B., C. Strother, C. R. Partington, Y. Kikuchi, and P. Eldevik. Thrombus Formation: Structure and Evolution in Intracranial Aneurysms Treated by Balloon Occlusion. In *Imaging of Brain Metabolism, Spine and Cord Interventional Neuroradiology*. M. Nadjmi, ed. Springer-Verlag, Berlin. pp 299-302 [1989].
5. Graves, V. B. and C. R. Partington. Imaging Evaluation of Acute Neurologic Disease. In *Critical Care Imaging*. Goodman, L. and C. Putman, (eds). W. B. Saunders, Philadelphia. Pp 391-409 [1992].

POSTERS, PRESENTATIONS, AND ABSTRACTS

1. Partington, C. R., L.R. Gentry, C. G. Jacoby, and W. D. Keyes. MR Imaging of Suprasellar Arachnoid Cysts: Differentiation From Other Cystic Parasellar Masses. RSNA Presentation #463; *Radiology* 165(P); 161 [1987].
2. Turski, P.A., W.H. Perman, M.A. Bernstein, C.R. Partington, C.S. Poon, and L.R. Gentry. Initial Clinical Experience Using a Three-dimensional SSFP CE-Fast Pulse Sequence for Spine Imaging. RSNA presentation #388; *Radiology* 165(p); 141 [1987].
3. Strother, C.M., Y. Kikuchi, V.B. Graves, P. Eldivik, and C.R. Partington. Observation on Thrombus Formation, Structure, and Evolution in Intracranial Aneurysms Treated by Balloon Occlusion.

ASNR (AJNR 9;1008) 1988, and Proc. Eur. Soc. Neurorad., 1988.

4. Sandstrom, J.C., C.R. Partington, and W.H. Perman. In Vivo Proton NMR Spectroscopy of Canine status Epilepticus. Soc. Mag. Res. Med., #1086, Aug 1988, and RSNA presentation #101; Radiology 169(P); 41 [1988].
5. Partington, C.R., J.C. Sandstrom, and W.H. Perman. A Phantom for Simulating Proton Spectroscopy of the Brain. RSNA presentation #105; Radiology 169(P); 42 [1988].
6. Graves, V.B., C.M. Strother, and C.R. Partington. MR Characteristics of Thrombus Formation and Evolution in Giant Aneurysms Treated by Balloon Occlusion. XVth European Congress of Neuroradiology, Wurzburg, Sept 1988.
7. Jarenwattananon, A., P.A. Turski, C.R. Partington, and W.H. Perman. In Vivo Sodium MR Imaging and Spectroscopy in Experimental Status Epilepticus. ASNR1989. Abs #232.
8. Partington, C.R., A. Laurent, V.B. Graves, D.A. Rufenacht, I. Weitzner, A.H. Rappe, C.M. Strother, and J.J. Merland. Implantation of 1F Polyethylene Catheters Used in Interventional Neuroangiography: Part I – Biocompatibility Studies in Animals. ASNR 1989. Abs #112.
9. Merland, J.J., D. Rufenacht, A. Aymard, S. Bien, C. Partington, and V. Graves. Implantation of 1F Polyethylene Catheters Used in Interventional Neuro-angiography: Part II – Clinical Studies. ASNR 1989. Abs #61.
10. Graves, V.B., C.R. Partington, D.A. Rufenacht, A.H. Rappe, and C.M. Strother. Minicoil Placement with Tracker Catheter 18 In Carotid Aneurysms. Observations in a Dog Aneurysm Model. ASNR 1989. Abs #59.
11. Levine, R.L., C.R. Partington, N.W. Spencer, T.P. Sutula, J.C. Jones, and R.J. Nickles. Temporal Lobe Glucose Uptake in Magnetic Resonance-Negative Intractable Epilepsy. The American Neurological Association, 1989. Ann. Neurol. 26; 162 [1989].
12. Bell, C.L., C.R. Partington, M. Robbins, F. Graziano, P. Turski, and S. Kornguth. Cranial MRI Scans in Patients with Central Nervous System Lupus. The American Rheumatism Association, June 1989.
13. Partington, C.R., V.B. Graves, and C.M. Strother. Aneurysm Rupture After Treatment by Selective Balloon Occlusion of the Aneurysm Lumen. ITC Interventional Neuroradiology Conference, San Francisco, Calif. August 19, 1989.
14. Partington, C.R., D.A. Rufenacht, V.B. Graves, and J. Weinsein. Causes of Delayed Vision Loss After Head Trauma. RSNA 1989.
15. Rufenacht, D.A., C.R. Partington, J-J Merland, and V.B. Graves. Fistulas of the Spinal Axis Which Mimic AVMs. RSNA 1989.
16. Partington, C.R., F.R. Korosec, C.A. Mistretta, P.A. Turski, and J. Johanson. Basilar Artery Thrombosis studied with Magnetic Resonance Angiography. RSNA 1989.
17. Turski, P.A., C.R. Partington, F. Korosec, R. Levine, and C. Mistretta. Limited Volume 2-D Phase Contrast and 2-D Time of Flight MR Angiography for the Evaluation of Cerebrovascular Disease. ASNR 1990. Abs #11.
18. Partington, C.R., D.A. Rufenacht, D.A. Nichols, V.B. Graves, and A.H. Rappe. Glass Beads as Particles for Transvascular Embolization. ASNR 1990. Abs #216.

19. Strother, C.M., V.B. Graves, C.R. Partington, and A.H. Rappe. Hemodynamic Features of Human and Experimental Aneurysms. ASNR 1990. Abs #256.
20. Graves, V.B., C.R. Partington, C.M. Strother, D.A. Rufenacht, and A.H. Rappe. Hemodynamic Influences of Treatment of Aneurysms with Coils and Balloons. ASNR 1990. Abs #257.
21. Partington, C.R., V.B. Graves, D.A. Rufenacht, and J.-J. Merland. Systematic Approach to Vascular Abnormalities of the Spine. Scientific Exhibit #E 43, ASNR 1990.
22. Levine, R., C. Partington, F. Korosec, C. Mistretta, P. Turski, and H. Schutta. Magnetic Resonance Angiography in Basilar Ectasia. Am. Acad. Of Neurology, May 1990. Neurology 40: 1154P [1990].
23. Bell, C.L., C.R. Partington, M. Robbins, F. Graziano, P. Turski, and S. Kornguth. Identification of Steroid Responsiveness in Patients with Central Nervous System Systemic Lupus Erythematosus Based on Magnetic Resonance and Serological Criteria. Am. College of Rheumatology Scientific Meeting, Nov, 1990.
24. Rufenacht, D.A., C.R. Partington, D.A. Nichols, and J.-J. Merland. Fistulas of the Spinal Arteries that Mimic AVMs. Symposium Radiol. London, July 1990.
25. Lovejoy, J.C., G. Bray, R. Tulley, and C. Partington. Effects of Testosterone or Anabolic Steroids on Body Fat Distribution and Health Risk Factors. 7th International Congress on Obesity, Toronto, 1994. Int. J. Obesity 18(2):0453 [1994].
26. Partington, B.P., C.R. Partington, R. P. Johnson, T.M. Neer, and D.Y. Cho. MRI Appearance of Familial Cerebellar Ataxia in Bull Mastiffs with Pathologic Correlation. Annual Scientific Meeting of the American College of Veterinary Radiology, Chicago, IL, Dec 1999.

INVITED LECTURES

1. "Introduction to MRI" Staff Meeting, Winnona Hospital, Winnona, Minn., June 15, 1988. [Category I AMA Credit for Attendees].
2. "Introduction to Positron Emission Tomography" Neuroanatomy and Neurophysiology Core Lecture Series. University of Wisconsin Hospital., June 23, 1988.
3. "Introduction to MRI" Staff Meeting, Chilton Medical Center, Chilton, Wisc., August 29, 1988. [Category I AMA Credit for Attendees].
4. "Basic MRI: T-1, T-2, and Pulse Sequences" Combined Neurology, Neuroradiology, and Neurosurgery Teaching Rounds, University of Wisconsin Hospital, September 14, 1988.
5. "Basic MRI: Phase, Frequency, and Fast Scanning Techniques" Combined Neurology, Neuroradiology, and Neurosurgery Teaching Rounds, University of Wisconsin Hospital, September 21, 1988.
6. "Volume Localized Proton Spectroscopy as a Diagnostic Tool" Radiology Grand Rounds, University of Wisconsin Hospital, October 13, 1988.
7. "MRI Techniques" Radiology Teaching Rounds, The Ohio State University Department of Diagnostic Radiology, October 20, 1988.
8. "Introduction to PET and Proton Spectroscopy" Radiology Grand Rounds, The Ohio State University Department of Diagnostic Radiology, October 21, 1988. [Visiting Professor, Oct 20-21, 1988].

9. "Interventional Neuroradiology" Radiology Grand Rounds, University of North Carolina Department of Radiology, December 15, 1988.
10. "Volume Localized Proton Spectroscopy" Radiology Rounds, University of North Carolina Department of Radiology, December 16, 1988.
11. "Fundamentals of Clinical MRI" Staff Meeting, Devine Savior Hospital, Portage Wisconsin. February 1, 1989.
12. "Spinal Angiography" Radiology Grand Rounds, University of North Carolina Department of Radiology, February 10, 1989.
13. "CT-MRI Correlation of Image Generation" Third Annual University of Wisconsin CT Conference, April 1, 1989.
14. "Interventional Neuroradiology" In Service to the Neurology and Neurosurgery Nursing Staff, University of Wisconsin Hospital, April 5, 1989.
15. "Clinical Aspects of MRI" Internal Medicine Teaching Rounds, University of Wisconsin Hospital, April 20, 1989.
16. "Clinical Aspects of MRI" Plastic Surgery Teaching Rounds, University of Wisconsin Hospital, April 21, 1989.
17. "Clinical Interventional Neuroradiology" Neurosurgery Teaching Rounds, University of Florida, Shands Hospital, April 27, 1989.
18. "Interventional Neuroradiology" Radiology Grand Round, University of Florida Shands Hospital, April 28, 1989.
19. "Basic MRI: Part III. GRASS, IR, Spectral Imaging, and Contrast Enhancement" Combined Radiology, Neurology, and Neurosurgery Teaching Rounds, University of Wisconsin Hospital, May 3, 1989.
20. "Clinical Interventional Neuroradiology" Neurology Grand Rounds, University of Wisconsin Hospital, June 2, 1989.
21. "Radiologic Evaluation of Pituitary Adenomas" Internal Medicine Grand Rounds, University of Wisconsin Hospital, July 7, 1989. One of three presenters discussing the clinical, pathological, and radiological aspects.
22. "MR Angiography" Neurology Grand Rounds, University of Wisconsin Hospital, August 11, 1989.
23. "Magnetic Resonance Spectroscopy" General Electric Magnetic Resonance Research Seminar, GE Medical Central Research, Waukashau, Wisconsin, September 7, 1989.
24. "Clinical Applications of Magnetic Resonance Angiography" General Electric Magnetic Resonance Research Seminar, GE Medical Central Research, Waukashau, Wisconsin, September 7, 1989.
25. "Interventional Neuroradiology" In Service to the Neurology and Neurosurgery Nursing Staff, University of Wisconsin Hospital, December 3, 1989.
26. "Basic MRI: T-1, T-2, and Pulse Sequences" Combined Neurology, Neuroradiology, and Neurosurgery Teaching Rounds, University of Wisconsin Hospital, October 8th, 1989.

27. "Basic MRI: Phase, Frequency, and Fast Scanning Techniques" Combined Neurology, Neuroradiology, and Neurosurgery Teaching Rounds, University of Wisconsin Hospital, October 15, 1989.
28. "MRI: How It Really Works. Part I: T-1, T-2, and Data Collection" Big Sky Radiology Conference, Big Sky, Montana, February 2, 1990.
29. "MRI: How It Really Works. Part II: Phase, Frequency, and Localization in Space" Big Sky Radiology Conference, Big Sky, Montana, February 3, 1990.
30. "MRI: How It Really Works. Part III: 3-D, Fast Scan, Spectroscopy, Fat Suppression, and Angiography" Big Sky Radiology Conference, Big Sky, Montana, February 5, 1990.
31. "Spinal Angiography" Radiology Grand Rounds, University of Wisconsin Hospital and Clinics, May 9, 1990.
32. "New Techniques in Interventional Neuroradiology" Wisconsin Radiological Society Summer Meeting, Milwaukee, June 17, 1990.
33. "MRI-Techniques and Information Obtained" Keynote Address, American College of Veterinary Radiology, Chicago November 22, 1990.
34. "Advances in Neuroradiology" Teaching Rounds, Medical Center of Baton Rouge, Baton Rouge, April 23, 1991.
35. "New Techniques in Neuro MRI" CME for Referring Physicians of Digital Diagnostic Center, Baton Rouge, May 19, 1991.
36. "Advanced Imaging of Musculoskeletal Disorders" Graduate Orthopedic Surgery Course, College of Veterinary Medicine, LSU, Baton Rouge, October 22, 1992.
37. "MR Angiography" CME for Referring Physicians of Digital Diagnostic Center, Baton Rouge, November 4, 1992.
38. "Basic MRI" Physicians Staff Meeting, River West Medical Center, Plaquemine, Louisiana, Dec 11, 1992.
39. "Clinical Uses of MRI" Graduate General Surgery Course College of Veterinary Medicine, LSU, Baton Rouge, August 9, 1993.
40. "New Techniques in Neuroradiology" Capital Area Radiologic Technology Society, Baton Rouge, Louisiana, June 7, 1994.
41. "MINLA Manpower Requirements and Sharing" Medical Imaging Network of Louisiana Meeting, New Orleans, Louisiana, April 19, 1997.
42. "MRI at the Turn of the Century" Keynote Address to the American College of Veterinary Radiology annual meeting, Chicago, Illinois, December 1, 1999.
43. "Advanced MRI: Perfusion, diffusion, and Spectroscopy" Our Lady of the Lake Regional Medical Center, Baton Rouge, Louisiana, December 11, 1999.
44. "Imaging of Brain Tumors" Tenth Annual Neuroscience Symposium, Our Lady of the Lake College and the NeuroMedical Center, Baton Rouge, Louisiana, May 12, 2000.

45. "Recent Advances in Neuro Imaging" Lecture to the Advanced Neurology-Neurological Surgery Course, LSU School of Veterinary Medicine, Baton Rouge, Louisiana, November 20, 2000.
46. "What's New in MRI – Diffusion, Perfusion, and Spectroscopy" Lecture to Lake Charles Physicians, August 22, 2001. Open Air MRI of Lake Charles, Louisiana.
47. "Introduction to MRI—Imaging, Diffusion, Perfusion, and Spectroscopy" Lecture to the Medical Staff of Beauregard-Vernon Medical Center, DeRidder, LA May 13, 2003
48. "Update on the Clinical Usefulness of MRI" Lecture to the Medical Staff of Bogalusa Regional Medical Center, given in Covington, LA May 15, 2003
49. "Clinical uses of MR Angiography" Lecture to the Medical Staff of Beauregard-Vernon Medical Center, DeRidder, LA Nov 3, 2003
50. "Imaging the Injured Spine" Louisiana Spine and Sports Medicine Legal Symposium, Baton Rouge, LA Aug 25, 2005
51. "Imaging the Injured Spine—Acute vs. Chronic" Louisiana Spine and Sports Medicine Legal Symposium, Baton Rouge, LA. March 11, 2010.

CONTINUING MEDICAL EDUCATION [Category 1]

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| 1990 | American Society of Neuroradiology: 26 hours
Wisconsin Radiologic Society: 3 hours
Radiological Society of North America: 6 hours
University of Wisconsin: 27 hours |
| 1991 | American Society of Neuroradiology Course: 15 hours
American Society of Neuroradiology Meeting: 34 hours |
| 1992 | American Society of Neuroradiology Meeting: 28 hours |
| 1993 | American Society of Neuroradiology Meeting: 27.5 hours
Radiological Society of North America: 8 hours |
| 1994 | Radiological Society of North America: 5 hours
American Society of Neuroradiology Meeting: 29 hours |
| 1995 | American Society of Neuroradiology Meeting: 17.5 hours
Pennsylvania Radiological Society Mammography Course: 21.25 hours |
| 1996 | Radiologic Society of North America: 18 hours
Radiologic Society of North America Meeting: 16 hours |
| 1997 | Radiologic Society of North America: 15 hours
University of Cincinnati [mammography]: 5 hours |
| 1998 | Radiologic Society of North America: 22 hours
University of Cincinnati [mammography]: 5 hours
Radiologic Society of North America Meeting: 17.5 hours |
| 1999 | CT and MRI of the Brain and Spine Meeting: 20 hours
Radiologic Society of North America: 22 hours |

- Radiologic Society of North America Meeting: 8.5 hours
Our Lady of the Lake CME: 8 hours
- 2000 Radiologic Society of North America: 24 hours
Our Lady of the Lake CME: 39 hours
- 2001 Meeting "Internal Derangement of Joints" Scottsdale: 20 hours
Our Lady of the Lake CME: 36 hours
LAMMICO CME: 2 hours
- 2002 Meeting, "Magnetic Resonance Imaging in Orthopaedics and Sports Medicine" San Francisco, CA
August 25-28: 25 hours
Our Lady of the Lake CME: 39 hours
LAMMICO: 2 hours
Radiologic Society of North America Meeting: 11 hours
- 2003 Meeting "PET Imaging for the Radiologist" Hilton Head NC: 13.25 hours
Our Lady of the Lake CME: 39 Hours
LAMMICO: 2 hours
Radiologic Society of North America Meeting: 14.5 Hours
- 2004 Our Lady of the Lake CME: 41 hours
LAMMICO: 2 hours
- 2005 Our Lady of the Lake CME: 62 hours
LAMMICO: 2 hours
- 2006 Our Lady of the Lake CME: 44 hours
LAMMICO: 2 hours
Radiologic Society of North America Meeting: 19 hours
- 2007 Our Lady of the Lake CME: 22 hours
Radiologic Society of North America Meeting: 29 hours
Magnetic Resonance Imaging in Orthopedics and Sports Medicine Meeting: 29.5 hours
- 2008 Our Lady of the Lake CME: 6 hours
Radiologic Society of North America Meeting: 19 hours
Magnetic Resonance Imaging in Orthopedics and Sports Medicine Meeting: 30 hours
- 2009 Radiologic society of North America Meeting: 30 hours
Radiographics CME: 12 hours
- 2010 Radiologic society of North America Meeting: 24.75 hours
Radiographics CME: 29 HOURS
- 2011 Radiologic society of North America Meeting: 24 hours
Radiographics CME: 31 hours
- 2012 Radiologic Society of North America CME: 33 hours
- 2013 Radiological Society of North America: 28 hours
- 2014 Radiological Society of North America: 19 hours
Radiological Society of North America Meeting: 22.5 hours
- 2015 Radiological Society of North America Meeting: 36 hours

- 2016 Radiological Society of North America Meeting: 40.25 hours
- 2017 Informed 2017 South Carolina Medical Licensure Program—
Managing Pain with Opioid Analgesics, Controlled Substance Education
For Prescribers [4/7/2017] : 5 hours
Radiological Society of North America Meeting: 26 hours
- 2018 Radiological Society of North America Meeting: 28.75 hours
- 2019 Radiological Society of North America Meeting: 26 hours
Informed 2019 South Carolina Medical Licensure Program—Managing Pain with Opioid
Analgesics—4 hours
- 2020 Radiological Society of North America Meeting: 21.5 hours
- 2021 South Carolina Medical Association “Approved Procedures for South Carolina Physicians
Prescribing and Monitoring Controlled Substances”: 2 hours
Radiological Society of North America Meeting: 28.25 hours