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POSTDOCTORAL FELLOWSHIP TRAINING:

1982 to 1984 Institutes of	National Research Service Award, National
	Health; National Heart, Lung, and Blood Institute; Division of Cardiology, Department of Medicine, Cedars-Sinai Medical Center, Los Angeles, California
POSITIONS:	
06/19 – Present	Director of MRI Safety USC Stevens Neuroimaging and Informatics Institute Keck School of Medicine of USC University of Southern California Los Angeles, California
02/19 – Present	Executive Committee, Center for Imaging Acquisition USC Stevens Neuroimaging and Informatics Institute Keck School of Medicine of USC University of Southern California Los Angeles, California
10/08 – Present	Adjunct Professor of Clinical Physical Therapy Division of Biokinesiology and Physical Therapy School of Dentistry University of Southern California Los Angeles, California
04/06 – 2017	Director of MRI Studies of Biomimetic MicroElectronic Systems (BMES) Implants, National Science Foundation, BMES Engineering Research Center University of Southern California Los Angeles, California
01/04 - Present	Adjunct Clinical Professor of Medicine Keck School of Medicine, University of Southern California Los Angeles, California

05/10 - 08/13	Special Employee, Cardiovascular Division Food and Drug Administration Rockville, Maryland
01/95 - Present	President and Chief Executive Officer Shellock R & D Services, Inc. Los Angeles, California
01/96 - 10/97	Director, Research and Development Radnet and Future Diagnostics, Inc. Los Angeles, California
11/95 - Present	Adjunct Clinical Professor of Radiology Department of Radiology, Keck School of Medicine University of Southern California Los Angeles, California
06/95 – 06/98	Special Employee, Radiological Devices Panel Center for Devices and Radiological Health Food and Drug Administration Rockville, Maryland
01/95 - 01/96	Director Research, Development, and Quality Assurance Future Diagnostics, Inc. Los Angeles, California
07/92 - 10/95	Associate Professor of Radiological Sciences University of California, Los Angeles School of Medicine Los Angeles, California
01/92 - 12/94	Director - Research, Development, and Advanced Applications Tower Imaging and St. Johns Hospital Los Angeles, California
07/89-01/92	Research Scientist, Physiologist Tower Musculoskeletal Imaging Center and Section of MRI, Department of Diagnostic Radiology Cedars-Sinai Medical Center Los Angeles, California
04/89-06/92	Assistant Professor of Radiological Sciences University of California, Los Angeles School of Medicine Los Angeles, California

07/85-04/89	Research Scientist II Division of Cardiology, Department of Medicine and Section of MRI, Department of Diagnostic Radiology Cedars-Sinai Medical Center Los Angeles, California
07/83-07/85	Research Scientist I Division of Cardiology, Department of Medicine Cedars-Sinai Medical Center Los Angeles, California
05/82-07/83	Research Associate Division of Cardiology, Department of Medicine Cedars-Sinai Medical Center Los Angeles, California

PROFESSIONAL SOCIETIES:

International Society for Magnetic Resonance in Medicine – Member and Fellow

American College of Cardiology - Member and Fellow

American College of Radiology – Member and Fellow

American College of Sports Medicine – Member and Fellow

Radiological Society of North America - Member

Hawaii Radiological Society - Member

American Society for Testing and Materials (ASTM) International - Committee Member

PUBLICATIONS: Articles

- 1. <u>Shellock FG</u>, Shah PK, Berman DS, Rubin SA, Singh BN, Swan HJC. Sustained benefits of oral pentaerythritol tetranitrate on ventricular, function in chronic congestive heart failure. Clinical Pharmacology and Therapeutics, 28:436-440, 1980.
- 2. Shah PK, <u>Shellock FG</u>, Berman DS, Rubin SA, Singh BN, Swan HJC. Sustained beneficial effects of oral pentaerythritol tetranitrate on ventricular function in chronic congestive heart failure. Nouve Presse Medical, 9 (34 Suppl): 2447-2450, 1980.
- Riedinger MS, <u>Shellock FG</u>, Swan HJC. Reading pulmonary artery and pulmonary capillary wedge pressure waveforms with respiratory variations. Heart and Lung, 10: 675-678, 1981.
- 4. <u>Shellock FG</u>, Rubin SA. Simplified and highly accurate core temperature measurements. Medical Progress Through Technology, 8: 187-188, 1982.
- 5. Nemerovski M, Shah PK, Berman DS, <u>Shellock F</u>, Swan HJC. Radio-nuclide assessment of sequential changes in left and right ventricular function following first transmural myocardial infarction. American Heart Journal, 104: 709-718, 1982.
- <u>Shellock FG</u>, Rubin SA, Ellrodt AG, Muchlinski A, Brown H, Swan HJC. Unusual core temperature decrease in exercising heart failure patients. Journal of Applied Physiology, 54: 544-550, 1983.
- <u>Shellock FG</u>, Riedinger MS. Reproducibility and accuracy of using room vs ice temperature injectate for thermodilution cardiac output determination. Heart and Lung, 12: 175-176, 1983.
- Shah PK, Abdulla A, Pichler M, <u>Shellock F</u>, Berman D, Singh BN, Swan HJC. Effects of nitroprusside-induced reduction of elevated preload and afterload on global and regional ventricular function in acute myocardial infarction. American Heart Journal, 105: 531-542, 1983.
- 9. <u>Shellock FG</u>, Riedinger MS, Bateman TM, Gray RJ. Thermodilution cardiac output determination in hypothermic post-cardiac surgery patients: room vs ice temperature injectate. Critical Care Medicine, 11: 1108-1110, 1983.
- Pichler M, Shah PK, Peter T, Singh B, Berman D, <u>Shellock F</u>, Swan HJC. Wall motion abnormalities and electrocardiographic changes in acute transmural myocardial infarction: implications of reciprocal ST segment depression. American Heart Journal, 106: 1003-1009, 1983.
- <u>Shellock FG</u>. Physiological benefits of warm-up. Physician and Sports Medicine, 11: 134-142, 1983. Excerpted in <u>1984 Year Book of Sports Medicine</u>.

- 12. Riedinger MS, <u>Shellock FG</u>. Technical aspects of the thermodilution method for measuring cardiac output. Heart and Lung, 13: 215-221, 1984.
- 13. <u>Shellock FG</u>, Rubin SA, Everest CE. Surface temperature measurement by IR. Medical Electronics, 84: 81-83, 1984.
- 14. Amin DK, Shah PK, Hulse S, <u>Shellock FG</u>, Swan HJC. Myocardial metabolic and hemodynamic effects of intravenous MDL 17,043, a new cardiotonic drug, in patients with chronic severe heart failure. American Heart Journal, 108: 1285-1292, 1984.
- 15. <u>Shellock FG</u>, Rubin SA. Temperature regulation during treadmill exercise in the rat. Journal of Applied Physiology, 57: 1872-1877, 1984.
- 16. Riedinger MS, <u>Shellock FG</u>, Shah PK, Weisfield A, Ellrodt AG. Sterility of prefilled thermodilution cardiac output injectate syringes maintained at ice and room temperature. Heart and Lung, 14: 8-11, 1985.
- Amin DK, Shah PK, <u>Shellock FG</u>, Hulse S, Brandon G, Spangenberg R, Swan HJC. Comparative hemodynamic effects of intravenous dobutamine and MDL 17,043, a new cardioactive drug in severe congestive heart failure. American Heart Journal, 109: 91-98, 1985.
- 18. Shah PK, Amin DK, Hulse S, <u>Shellock FG</u>, Swan HJC. Inotropic therapy of refractory heart failure with oral fenoximone (MDL 17,043): Poor long-term results despite hemodynamic and clinical improvement. Circulation, 71: 326-331, 1985.
- Amin DK, Shah PK, Hulse S, <u>Shellock FG</u>. Comparative acute hemodynamic effects of intravenous sodium nitroprusside and MDL 17,043, a new inotropic drug with vasodilator effects, in refractory congestive heart failure. American Heart Journal, 109: 1006-1012, 1985.
- 20. <u>Shellock FG</u>, Rubin SA. Muscle and femoral vein temperatures during short-term maximal exercise in heart-failure. Journal of Applied Physiology, 58: 400-408, 1985. Excerpted in <u>Year Book of Rehabilitation, 1986</u>.
- 21. <u>Shellock FG</u>, Prentice WE. Warming-up and stretching for improvement of physical performance and prevention of sports-related injuries. Sports Medicine, 2: 267-278, 1985.
- 22. <u>Shellock FG</u>, Riedinger MS, Fishbein MC, Shah PK. Prevalence of brown adipose tissue in chronic congestive heart failure secondary to coronary artery disease. American Journal of Cardiology, 56: 197-198, 1985.
- 23. <u>Shellock FG</u>, Swan HJC, Rubin SA. Early central venous pressure changes in the rat during two different levels of head-down suspension. Aviation Space and Environmental Medicine, 56: 791-795, 1985.

- 24. <u>Shellock FG</u>, Rubin SA. Blood temperature response to exercise in heart-failure patients treated with short-term vasodilators. Clinical Physiology, 5:503-514, 1985.
- 25. <u>Shellock FG</u>. Muscoli caldi per vincere (Warming-up for competition) Sport & Medicina, (Italy) 3: 27-31, 1986.
- 26. <u>Shellock FG</u>, Riedinger MS, Fishbein MC. Brown adipose tissue in cancer-induced cachexia. Journal of Cancer Research and Clinical Oncology, 111: 82-85, 1986.
- 27. <u>Shellock FG</u>. Physiological, psychological, and injury prevention aspects of warm-up. National Strength and Conditioning Association Journal, 8: 24-27, 1986.
- 28. <u>Shellock FG</u>, Schaefer DJ, Gordon CJ. Effect of a 1.5 Tesla static magnetic field on body temperature of man. Magnetic Resonance in Medicine, 3: 644-647, 1986.
- 29. <u>Shellock FG</u>, Gordon CJ, Schaefer DJ. Thermoregulatory responses to clinical magnetic resonance imaging of the head at 1.5 Tesla: Lack of evidence for direct effects on the hypothalamus. Acta Radiologica, Suppl. 369: 512-513, 1986.
- 30. <u>Shellock FG</u>, Schaefer DJ, Grundfest W, Crues JV. Thermal effects of high-field (1.5 Tesla) magnetic resonance imaging of the spine: Clinical experience above a specific absorption rate of 0.4 W/kg. Acta Radiologica, Suppl. 369: 514-516, 1986.
- 31. <u>Shellock FG</u>. Seguiamo il destino dell acido lattico (The post-exercise path of lactic acid). Sport & Medicina (Italy). 4: 27-30, 1987.
- 32. <u>Shellock FG</u>, Crues JV. Temperature, heart rate, and blood pressure changes associated with clinical magnetic resonance imaging at 1.5 T. Radiology, 163: 259-262, 1987.
- 33. <u>Shellock FG</u>, Crues JV. MRI: Potential adverse effects and safety considerations. MRI Decisions, 2:25-30, 1988.
- 34. <u>Shellock FG</u>, Crues JV. Temperature changes caused by clinical MR imaging of the brain at 1.5 Tesla using a head coil. American Journal of Neuroradiology, 9: 287-291, 1988.
- 35. <u>Shellock FG</u>, Crues JV. Corneal temperature changes associated with high-field MR imaging of the brain with a head coil. Radiology, 167: 809-811, 1988.
- 36. <u>Shellock FG</u>, Mink JH, Fox JM. Patellofemoral joint: Kinematic MR imaging to assess tracking abnormalities. Radiology, 168:551-553, 1988.
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- <u>Shellock FG</u>, Pressman BD. Dual-surface-coil MR imaging of bilateral temporomandibular joint: Improvements in the imaging protocol. American Journal of Neuroradiology, 10:595-598, 1989.
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- 45. <u>Shellock FG</u>, Schaefer DJ, Crues JV. Alterations in body and skin temperatures caused by MR imaging: Is the recommended exposure for radiofrequency radiation too conservative? British Journal of Radiology, 62:904-909, 1989.
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- 52. <u>Shellock FG</u>, Kanal E. Policies, guidelines, and recommendations for MR imaging safety and patient management. Journal of Magnetic Resonance Imaging, 1:97-101, 1991.
- 53. <u>Shellock FG</u>, Schatz CJ. High field strength MRI and otologic implants. American Journal of Neuroradiology, 12:279-281, 1991.
- 54. <u>Shellock FG</u>, Fukunaga T, Mink JH, Edgerton VR. Acute effects of exercise on MRI of skeletal muscle: Concentric vs. eccentric actions. American Journal of Roentgenology, 156:765-768, 1991.
- 55. Conway WF, Hayes CW, Loughran T, Totty WG, Griffeth LK, El-Khoury GY, <u>Shellock FG</u>. Cross-sectional imaging of the patellofemoral joint and surrounding structures. RadioGraphics, 11:195-211, 1991.
- 56. <u>Shellock FG</u>, Mink JH, Fox JM. Identification of medial subluxation of the patella in a dancer using kinematic MRI of the patellofemoral joint: a case report. Kinesiology and Medicine for Dance 13:1-9, 1991.
- 57. <u>Shellock FG</u>, Mink JH. Knees of trained long-distance runners: MR imaging before and after competition. Radiology, 179:635-637, 1991.
- 58. <u>Shellock FG</u>, Mink JH, Deutsch A, Pressman B. Kinematic MRI of the joints: techniques and clinical applications. Magnetic Resonance Quarterly, 7:104-135, 1991.
- 59. <u>Shellock FG</u>, Fukunaga T, Mink JH, Edgerton VR. Exertional muscle injury: Evaluation of concentric vs eccentric actions with serial MR imaging. Radiology, 179:659-664, 1991.
- 60. Hong CZ, <u>Shellock FG</u>. Effects of a topically applied counterirritant (Eucalyptamint) on cutaneous blood flow and on skin and muscle temperatures. American Journal of Medicine and Rehabilitation, 70:29-33, 1991.
- 61. <u>Shellock FG</u>. Patellofemoral joint abnormalities in athletes: Evaluation by kinematic MRI. Topics in Magnetic Resonance Imaging, 3:1-30, 1991.
- 62. Fleckenstein J, <u>Shellock FG</u>. Exertional muscle injury: MRI evaluation. Topics in Magnetic Resonance Imaging, 3:31-55, 1991

- 63. <u>Shellock FG</u>, Foo TKF, Deutsch A, Mink JH. Patellofemoral joint: Evaluation during active flexion with ultrafast spoiled GRASS MR imaging. Radiology, 180:581-585, 1991.
- 64. <u>Shellock FG</u>, Curtis JS. MR imaging and biomedical implants, materials, and devices: An updated review. Radiology, 180:541-550, 1991.
- 65. Yuh WTC, Hanigan MT, Nerad JA, Carter KD, Kardon RH, Ehrhardt JC, <u>Shellock FG</u>. Extrusion of a magnetic eye implant after MR examination: a potential hazard to the enucleated eye. Journal of Magnetic Resonance Imaging. 1:711-713, 1991.
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- 67. <u>Shellock FG</u>, Schatz CJ, Julien P, Steinberg F, Foo TKF, Hopp ML, Westbrook PR. Dynamic study of the upper airway using ultrafast spoiled GRASS MR imaging. Journal of Magnetic Resonance Imaging.2:103-107, 1992.
- 68. <u>Shellock FG</u>, Morris E, Deutsch AL, Mink JH, Kerr R, Boden SD. Hematopoietic bone marrow hyperplasia: high prevalence on MR images of the knee in asymptomatic marathon runners. American Journal of Roentgenology, 158: 335-338, 1992.
- 69. <u>Shellock FG</u>, Myers SM, Kimble K. Monitoring heart rate and oxygen saturation during MRI with a fiber-optic pulse oximeter. American Journal of Roentgenology, 158: 663-664, 1992.
- Yuh WTC, Ehrhardt JC, Fisher DJ, Shields RK, <u>Shellock FG</u>. Phantom limb pain induced in amputee by strong magnetic fields. Journal of Magnetic Resonance Imaging, 2: 221-223, 1992.
- 71. <u>Shellock FG</u>, Schatz CJ, Julien P, Silverman JM, Steinberg F, Foo TKF, Hopp ML, Westbrook PR. Occlusion and narrowing of the pharyngeal airway in obstructive sleep apnea: evaluation by ultrafast spoiled GRASS MR imaging. American Journal of Roentgenology, 158: 1019-1024, 1992.
- Foo TF, <u>Shellock FG</u>, Hayes CE, Schenck JF, Slayman BE. High resolution MR imaging of the wrist and eye using short TE, short TR, and partial echo acquisition. Radiology, 183: 277-281, 1992.
- 73. <u>Shellock FG</u>, Mink JH, Curtin S, Friedman MJ. MRI and orthopedic implants used for anterior cruciate ligament reconstruction: Assessment of ferromagnetism and artifacts. Journal of Magnetic Resonance Imaging, 2: 225-228, 1992.

- 74. Kanal E, <u>Shellock FG</u>. Policies, guidelines, and recommendations for MR imaging safety and patient management. Patient monitoring during MR examinations. Journal of Magnetic Resonance Imaging, 2: 247-248, 1992.
- 75. <u>Shellock FG</u>, Litwer C, Kanal E. MRI bioeffects, safety, and patient management: a review. Reviews in Magnetic Resonance Imaging, 4:21-63, 1992.
- 76. Pressman BD, <u>Shellock FG</u>, Schames J, Schames M. MRI evaluation of TMJ abnormalities associated with cervical hyperextension/hyperflexion (whiplash) injuries. Journal of Magnetic Resonance Imaging, 2: 569-574, 1992.
- 77. <u>Shellock FG</u>, Mink JH, Deutsch AL, Foo TKF. Kinematic MR imaging of the patellofemoral joint: Comparison between passive positioning and active movement techniques. Radiology, 184:574-577, 1992.
- 78. McCully K, <u>Shellock FG</u>, Bank W, Posner J. The use of nuclear magnetic resonance to evaluate muscle injury. Medicine and Science in Sports and Exercise, 24:537-542, 1992.
- 79. Kanal E, <u>Shellock FG</u>. Patient monitoring during clinical MR imaging. Radiology, 185: 623-629, 1992.
- 80. <u>Shellock FG</u>, Schatz CJ. Increases in corneal temperature caused by MR imaging of the eye with a dedicated local coil. Radiology, 185: 697-699, 1992.
- 81. Fukunaga T, Roy RR, <u>Shellock FG</u>, Hodgson JA, Day MK, Lee PL, Kwong-Fu H, Edgerton VR. Physiological cross-sectional area of human leg muscles based on magnetic resonance imaging. Journal of Orthopaedic Research, 10: 926-934, 1992.
- Sinha S, Gorczyca D, Debruhl ND, <u>Shellock FG</u>, Gausche V, Bassett LW. MR imaging of silicone breast implants: comparison of different coil arrays. Radiology, 187:284-286, 1993.
- 83. Kanal E, Gillen J, Evans JA, Savitz DA, <u>Shellock FG</u>. Survey of reproductive health among female MR operators. Radiology 187:395-399, 1993.
- 84. Kanal E, <u>Shellock FG</u>. MR imaging of patients with intracranial aneurysm clips. Radiology, 187: 612-614, 1993.
- 85. Holshouser B, Hinshaw DB, <u>Shellock FG</u>. Sedation, anesthesia, and physiologic monitoring during MRI. Journal of Magnetic Resonance Imaging, 3: 553-558, 1993.
- 86. <u>Shellock FG</u>, Mink JH, Deutsch AL, Foo TKF, Sullenberger P. Patellofemoral joint: identification of abnormalities using active movement, "unloaded" vs "loaded" kinematic MR imaging techniques. Radiology, 188:575-578, 1993.

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- 90. Kanal E, <u>Shellock FG</u>. The value of published data on MR compatibility of metallic implants. American Journal of Neuroradiology, 15:1394-1396, 1994.
- 91. <u>Shellock FG</u>, Kanal E. SMRI Report. Policies, guidelines and recommendations for MR imaging safety and patient management. Questionnaire for screening patients before MR procedures. Journal of Magnetic Resonance Imaging. 4:749-751, 1994.
- 92. <u>Shellock FG</u>, Morisoli SM. Ex vivo evaluation of ferromagnetism and artifacts for cardiac occluders exposed to a 1.5 Tesla MR system. Journal of Magnetic Resonance Imaging, 4:213-215, 1994.
- 93. <u>Shellock FG</u>, Mink JH, Deutsch AL, Fox J, Molnar T, Kvitne R. Effect of a patellar realignment brace on patellofemoral relationships: Evaluation using kinematic MR imaging. Journal of Magnetic Resonance Imaging, 4:590-594, 1994.
- 94. <u>Shellock FG</u>, Morisoli, M, Ziarati M. Measurement of acoustic noise during MR imaging: evaluation of six different "worse case" pulse sequences. Radiology, 191:91-93, 1994.
- 95. <u>Shellock FG</u>, Morisoli SM. Ex vivo evaluation of ferromagnetism, heating, and artifacts for heart valve prostheses exposed to a 1.5 Tesla MR system. Journal of Magnetic Resonance Imaging. 4:756-758, 1994.
- 96. <u>Shellock FG</u>, Kanal E. Re: Metallic foreign bodies in the orbits of patients undergoing MR imaging: prevalence and value of pre-MR radiography and CT. American Journal of Roentgenology, 162:985-986, 1994.
- 97. <u>Shellock FG</u>, Schaefer DJ, Kanal E. Physiologic responses to MR imaging performed at an SAR level of 6.0 W/kg. Radiology. 192:865-868, 1994.
- 98. Farahani K, Nalcioglu O, Lufkin RB, <u>Shellock FG</u>, Castro DJ. An investigation of thermal and spatial dependence on signal intensity in MR imaging of interstitual laser application. Magnetic Resonance in Medicine. 1994.

- 99. Nogueira M, <u>Shellock FG</u>. Otologic bioimplants: Ex vivo assessment of ferromagnetism and artifacts at 1.5 Tesla. American Journal of Roentgenology. 163: 1472-1473, 1995.
- 100. Moscatel M, <u>Shellock FG</u>, Morisoli S. Biopsy needles and devices: assessment of ferromagnetism and artifacts during exposure to a 1.5 Tesla MR system. Journal of Magnetic Resonance Imaging. 5:369-372, 1995.
- 101. <u>Shellock FG</u>, Mink JH, Deutsch DL, Molnar T. Effect of a newly-designed patellar realignment brace on patellofemoral relationships: a case report. Medicine and Science in Sports and Exercise. 27:469-472, 1995.
- 102. <u>Shellock FG</u>, Nogueira M, Morisoli M. MRI and vascular access ports: Ex vivo evaluation of ferromagnetism, heating, and artifacts at 1.5 T. Journal of Magnetic Resonance Imaging, 4:481-484, 1995.
- 103. Fagan LL, <u>Shellock FG</u>, Brenner RJ, Rothman B. Ex vivo evaluation of ferromagnetism, heating, and artifacts of breast tissue expanders exposed to a 1.5 T MR system. Journal of Magnetic Resonance Imaging, 5:614-616, 1995.
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- 107. Kanal E, <u>Shellock FG</u>. MR imaging in the testing of 1,765 aneurysm clips for ferromagnetic property: clip variability issues. Radiology. 200: 576-578, 1996.
- 108. <u>Shellock FG</u>, Shellock VJ. Vascular access ports and catheters tested for ferromagnetism, heating, and artifacts associated with MR imaging. Magnetic Resonance Imaging. 14:443-447, 1996.
- 109. <u>Shellock FG</u>, Shellock VJ. Ceramic surgical instruments: Evaluation of MR-compatibility at 1.5 Tesla. Journal of Magnetic Resonance Imaging. 6:954-956, 1996.
- 110. <u>Shellock FG</u>. MR imaging and cervical fixation devices: Evaluation of ferromagnetism, heating, and artifacts at 1.5 Tesla. Magnetic Resonance Imaging. 14:1093-1098, 1996.
- 111. <u>Shellock FG</u>, Feske W, Frey C, Terk M. Peroneal tendons: Use of kinematic MR imaging of the ankle to assess subluxation. Journal of Magnetic Resonance Imaging. 7:451-454, 1997.

- 112. <u>Shellock FG</u>, Detrick MS, Brant-Zawadski M. MR-compatibility of Guglielmi detachable coils. Radiology. 203: 568-570, 1997.
- 113. Rubin DL, Falk KL, Sperling MJ, Ross M, Saini S, Rothman B, <u>Shellock FG</u>, Zerhouni E, Stark D, Outwater E, Schmiedl U, Kirby LC, Chezmar J, Coates T, Chang M, Silverman J, Rofsky N, Burnett K, Young SW. A multi-center clinical trial of Gadolite oral suspension as a contrast agent for MRI. Journal of Magnetic Resonance Imaging, 7:865-872, 1997.
- 114. Bendel L, <u>Shellock FG</u>, Steckel M. The effect of mechanical deformation on magnetic properties and MR imaging artifacts of type 304 and type 316 stainless steel. Journal of Magnetic Resonance Imaging. 7:1170-1173, 1997.
- 115. <u>Shellock FG</u>. Kinematic MRI of the Joints. Seminars in Musculoskeletal Radiology. 1:143-173, 1997.
- 116. <u>Shellock FG</u>, Shellock VJ. MR-compatibility evaluation of the Spetzler titanium aneurysm clip. Radiology. 206:838-841, 1998.
- 117. <u>Shellock FG</u>, Shellock VJ. Evaluation of cranial flap fixation clamps for compatibility with MR imaging. Radiology. 207:822-825, 1998.
- 118. <u>Shellock FG</u>, Kanal E. Yasargil aneurysm clips: Evaluation of interactions with a 1.5 Tesla MR system. Radiology. 207:587-591, 1998.
- 119. <u>Shellock FG</u>, Crues JV. Aneurysm clips: Assessment of magnetic field interaction associated with a 0.2-T extremity MR system. Radiology 208:407-409, 1998.
- 120. <u>Shellock FG</u>. MR-compatibility of an endoscope designed for use in interventional MRI procedures. American Journal of Roentgenology.171:1297-1300, 1998.
- 121. <u>Shellock FG</u>, Ziarati M, Atkinson D, Chen DY. Determination of acoustic noise during MRI using echo planar and three dimensional fast spin echo imaging techniques. Journal of Magnetic Resonance Imaging. 8:1154-1157, 1998.
- 122. Powers CM, Pfaff M, <u>Shellock FG</u>. Active movement, loaded kinematic MRI of the patellofemoral joint: Reliability of quantitative measurements. Journal of Magnetic Resonance Imaging. 8:724-732, 1998.
- 123. <u>Shellock FG</u>, Kanal E. Aneurysm clips: Evaluation of MR imaging artifacts at 1.5 Tesla. Radiology. 209:563-566, 1998.

Frank G. Shellock, Ph.D. PUBLICATIONS: Articles (continued)

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