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Leon Lenchik, MD

Professor
Department of Radiology



WAKE FOREST SCHOOL OF MEDICINE

Curriculum Vitae

NAME: Leon Lenchik, M.D.

CURRENT ACADEMIC TITLE: Professor, Division of Radiologic Sciences – Radiology

CURRENT ADMINISTRATIVE TITLE: Section Head of Musculoskeletal Imaging

ADDRESS: Department of Radiology
Division of Radiologic Sciences
Wake Forest School of Medicine
Medical Center Boulevard
Winston-Salem, NC 27157-1010
(336) 716-4316 (office)
(336) 716-1278 (fax)
E-mail: llechik@wakehealth.edu

EDUCATION:

1984-1986	Northwestern University Evanston, Illinois B.S.
1986-1990	Northwestern University Medical School Chicago, Illinois M.D.
1984-1990	Honors Program in Medical Education

POSTDOCTORAL TRAINING:

1990-1991	Intern, Department of Surgery Medical College of Virginia Richmond, Virginia
1991-1995	Resident, Diagnostic Radiology Bridgeport Hospital-Yale School of Medicine Affiliate Bridgeport, Connecticut
1995-1996	Fellow, Musculoskeletal Radiology University of California, San Diego San Diego, California

PROFESSIONAL LICENSURE

1995-1996	California, #95-00172 (Inactive)
1996-present	State of North Carolina, #96-00607
1997-1998	Virginia (55646) (Inactive)
1997-1998	South Carolina (19298) (Inactive)
1997-1998	Tennessee (0000029459) (Inactive)
1997-1998	Alabama (21049) (Inactive)

SPECIALTY CERTIFICATION

1995	American Board of Radiology
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EMPLOYMENT:

Academic Appointments:

Wake Forest School of Medicine, Wake Forest University:

1996-2002	Assistant Professor, Division of Radiologic Sciences - Radiology
2002-2013	Associate Professor, Division of Radiologic Sciences - Radiology
2013-Present	Professor, Division of Radiologic Sciences - Radiology

OTHER PROFESSIONAL APPOINTMENTS AND INSTITUTIONAL SERVICE:

Wake Forest School of Medicine, Wake Forest University:

1997-1998	Interim Section Head
1997-2001	Director, Densitometry Minifellowship
1998-2001	Director, Multidisciplinary Conference on Osteoporosis
2004-Present	Section Head, Musculoskeletal

Institutional Committee Service:

1999-2000	Women's Health Center of Excellence Osteoporosis Subcommittee
1998-2004	Faculty of Primary Care Sports Medicine Fellowship
2000-2002	NCBH Women's Health Service Line Steering Committee
2003-2008	Co-Leader, Body Composition Core, Pepper Center
2006-2007	General Clinical Research Center Advisory Committee
2012-2015	Institutional Review Board (Alternate Member)
2016-Present	OWIMS Work-Life Subcommittee
2016-Present	FRC People Subcommittee Wake Forest University School of Medicine Winston-Salem, North Carolina

Departmental Committee Service:

2010-2016	Radiology CME Committee, Chair
2012-2015	Radiology Compensation Committee
2013-Present	Radiology Quality Committee
2013-Present	Residency Review Committee
2013-Present	Residency Program Evaluation Committee
2013-Present	MSK Fellowship Review Committee
2013-Present	MSK Fellowship Program Evaluation Committee
	Wake Forest University School of Medicine
	Winston-Salem, North Carolina

Hospital Affiliations:

1996-Present	Admitting Privileges
	Wake Forest Baptist Medical Center
	Winston-Salem, North Carolina

EXTRAMURAL APPOINTMENTS AND SERVICE

Ad Hoc Manuscript Reviewer:

Radiology, 1997-Present
American Journal of Roentgenology, 1997-Present
Journal of Computer Assisted Tomography, 1997- Present
Bone, 2003-Present
Skeletal Radiology, 2005-Present

National Institutes of Health Study Sections:

BMD in Childhood, NICHD, 2001
Skeletal Biology Development and Disease, 2005

Editorial Boards:

Journal of Clinical Densitometry, 1998-2003
Current Radiology Reports, 2014-Present

Consultancies:

Food and Drug Administration:
CDRH Orthopedic and Rehabilitation Devices Advisory Panel
Member, 2002-Present
Reclassification of Bone Growth Stimulator Device, 2006
Metal on Metal Hip Implants, 2012

PROFESSIONAL MEMBERSHIPS:

1991- Present	American Roentgen Ray Society
1991-Present	Radiological Society of North America
1999-2000	Roster of Distinguished Scientific Advisors
1999-2003	MKS Radiology Subcommittee of the Program Committee
1999,2001,2003,2005, 2006,2008,2011, 2014	Annual Meeting Presiding Officer, Scientific Session, Osteoporosis
2004	Annual Meeting Presiding Officer, Scientific Session, Shoulder
2008-2011	MKS Subcommittee of the Educational Exhibits Committee
2013	Faculty Development Workshop
2013-2015	Quantitative Imaging Biomarkers Alliance CT Volumetry Group
2014-present	Chair, MSK Refresher Course Track
1996-2008	National Osteoporosis Foundation
1996-Present	International Society for Clinical Densitometry 1997-
Present	Bone Densitometry Course Faculty Member
1997-1999	Site Accreditation Committee
1998-2001	Scientific Advisory Committee
1998-1999	5th Annual Meeting Poster Committee, Chair
1999-2000	6th Annual Meeting, Co-Chair
1999-2001	Scientific Advisory Committee, Chair
2001	Bone Densitometry Position Development Forum, Co-Chair
2001-2003	Certification Committee, Chair
2001-2003	Board of Directors
2001-2003	Executive Committee
2001-2003	Secretary
2009-2013	Board of Directors
2011-Present	Facility Accreditation Program, Co-Chair
1996-Present	American College of Radiology
1998-1999	Revision of Standard for Performance of Adult Dual or Single X-ray Absorptiometry (DXA/pDXA/SXA) Committee Member
2012-2013	Revision of Practice Guideline for DXA Committee Member
2012-2013	Revision of Practice Guideline for QCT Committee Member
2016-Present	Appropriateness Criteria Expert Panel on MSK Imaging
2016 Present	Chair, Practice Parameter for the Performance of Spine Radiography
1998-1999	American Society of Emergency Radiology
1998-Present	Society of Skeletal Radiology
2006-2007	Research Committee
1999-Present	American Society for Bone and Mineral Research
2000-Present	International Skeletal Society

2015-Present	Program Committee
2000-2005	International Bone and Mineral Society
2001-2004	Southern Medical Association
2000-2001	Fourth Conference on Osteoporosis, Co-Chair
2006	American Medical Association Physician Consortium for Performance Improvement Osteoporosis Quality Measures Work Group Member
2009-2011	International Osteoporosis Foundation Bone Imaging Work Group Ad Hoc Member
2010-Present	American Registry of Radiologic Technologists Bone Densitometry Exam Committee
2013-Present	Association of University Radiologists
2013	AUR-Agfa Radiology Management Program
2013-2014	RRA Quantitative Imaging Task Force
2014	AUR Small Group Mentor
2014-2015	RRA Big Data Task Force
2014-2015	RRA Patient Centered Research Task Force
2014-2015	Chair, RRA Membership Committee
2014-Present	Radiology Research Alliance Executive Committee
2015-2016	Secretary, Radiology Research Alliance
2015-Present	COORDRI
2016-Present	Program Committee
2016-Present	President-Elect, Radiology Research Alliance
2016-Present	3D Printing Task Force Chair, Radiology Research Alliance
2016-Present	Membership Committee
2016-Present	Development Committee

HONORS AND AWARDS:

1996	Certificate of Merit Starok M, <u>Lenchik L</u> , Trudell D, Resnick D. Normal patellar retinaculum: ultrasound and MR imaging with cadaveric correlation. Radiological Society of North America
1997	Certificate of Merit Jones TR, Kopyay P, Pope T, <u>Lenchik L</u> . Stress fractures: imaging algorithm with emphasis on atypical locations and presentations. American Roentgen Ray Society
1997	Cum Laude De Maeseneer M, <u>Lenchik L</u> , Starok MS, Pedowitz RA, Trudell D, Resnick DL. Medical meniscocapsular injuries: a cadaveric study with sonography, MR imaging and MR arthrography. Radiological Society of North America

- 1998
Certificate of Merit
Seggerman RE, Boles CA, Lenchik L, Linville DA.
Fluoroscopically guided diagnostic and therapeutic injections
about the lumbar spine: a new dimension in the diagnosis and
treatment of low back pain.
Radiological Society of North America
- 1999
Certificate of Merit
De Maeseneer M, Lenchik L, Ryu KN, Van Roy F, Osteaux
MJ. Diagnosis of meniscocapsular separation: MR imaging
criteria and diagnostic pitfalls.
Radiological Society of North America
- 2001
Clinician of the Year Award
International Society for Clinical Densitometry
- 2002
Paul D. Miller Service Award
International Society for Clinical Densitometry
- 2005, 08, 09, 11, 13
Best Doctors in America
- 2013
Certificate of Merit
Wuertz SD, Davis I, Chang S, Lenchik L. Acetabular Labrum:
A Tutorial on the Varied Magnetic Resonance (MR)
Arthrography Appearance.
American Roentgen Ray Society
- 2013
Certificate of Merit
Gupta P, Stevens JD, Wuertz SD, Lenchik L, Pacholke D.
Unraveling the Complexity of Thumb Carpometacarpal and
Metacarpophalangeal Joints on 3T MR.
Radiological Society of North America
- 2013
Magna Cum Laude
Boutin RD, Yao L, Lenchik L. Be strong! Strengthening the Case
for Diagnosing Sarcopenia and Sarcopenic Obesity.
Radiological Society of North America
- 2014
AUR Radiology Management Award
Association of University Radiologists
- 2014
Certificate of Merit
Gupta P, Kiani B, Lenchik L, Wuertz SD.
Injuries of Hand and Wrist Tendons on MR
Imaging.
Radiological Society of North America
- 2014
Certificate of Merit
Benfield PJ, Wuertz SD, Kiani B, Lenchik L.
Quality Improvement in Dual X-ray Absorptiometry (DXA):
Approach to Artifacts.
Radiological Society of North America

- 2015 Certificate of Merit
Martell BS, Mannava S, Stubbs A, Lenchik L, Torabi M.
Anatomy and Pathology of the Hip Joint: MRI-Arthroscopy
Correlation.
American Roentgen Ray Society
- 2015 Certificate of Merit
Martell BS, Freehill MT, Lenchik L, Kiani B, Wuertzer SD,
Torabi M. Pathomechanics of Elbow in the Throwing Athlete:
Clinical, Imaging, and Arthroscopic Correlation.
Radiological Society of North America
- 2015 Cum Laude
Martell BS, Lenchik L, Torabi M, Kiani B, Gupta P, Miller AN.
Wuertzer SD. Optimal Reporting of Acetabular Fractures on
Trauma CT Examinations: What the Orthopedic Surgeon Wants
to Know.
Radiological Society of North America
- 2016 Patrick T. Liu Innovations in Research Award
Boutin RD, Bamrungchart S, Bateni C, Beavers K, Beavers D,
Meehan J, Lenchik L. CT of Hip Fracture Patients: Can
Muscle Size and Attenuation Predict Clinical Outcomes?
Society of Skeletal Radiology
- 2016 Certificate of Merit
Meyer J, Roller BL, Wuertzer SD, Kiani B, Lenchik L, Miller
AN, Torabi M. Fracture-Dislocations of the Hip Joint: What
the Surgeon wants to Know.
Radiological Society of North America

INVITED PRESENTATIONS AND SEMINARS

1. Avoiding pitfalls in upper extremity trauma. Presented at the 82nd Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, Illinois, December 2, 1996.
2. Imaging of stress fractures. Presented at the 41st Annual Meeting of the Southern Radiological Conference. Point Clear, Alabama, January 23, 1997.
3. Osteoporosis: overview of bone mass measurements. Presented at the Medical University of South Carolina. Charleston, South Carolina, April 3, 1997.
4. Overview of osteoporosis. Presented at the Annual Conference of Society of Radiology Technologists. Charlotte, North Carolina, April 26, 1997.
5. Current concepts in osteoporosis. Presented at the Bowman Gray School of Medicine Summer Radiology Continuing Education Program. Myrtle Beach, South Carolina, June 22-27, 1997.

6. Imaging of stress fractures. Presented at the Bowman Gray School of Medicine Summer Radiology Continuing Education Program. Myrtle Beach, South Carolina, June 22-27, 1997.
7. Radiological evaluation of the musculoskeletal system by the non-radiologist. Presented at the Seventh Annual Physician Assistant Satellite Comprehensive Review. The Bowman Gray School of Medicine. Winston-Salem, North Carolina, September 30, 1997.
8. MR of degenerative disease of spine. Presented at the University of California, San Diego Musculoskeletal MR Course. Hilton Head, South Carolina, October 26, 1997.
9. Interesting cases. Presented at the University of California, San Diego Musculoskeletal MR Course. Hilton Head, South Carolina, October 26, 1997.
10. Screening, diagnosis and patient evaluation in osteoporosis. Presented at the Southern Medical Association 91st Annual Scientific Assembly. Charlotte, North Carolina, November 6, 1997.
11. MRI utilization for the diagnosis of sports medicine related abnormalities. Presented at the Stanley Memorial Hospital. Albemarle, North Carolina, November 11, 1997.
12. Imaging of sports-related injuries: an overview. Presented at the 83rd Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, Illinois, November 30 - December 5, 1997.
13. State of the art: diagnosis of osteoporosis. Presented at the Wake Forest University School of Medicine Winter Radiology Continuing Education Program. Cancun, Mexico, January 24 - 31, 1998.
14. Stress fractures: typical and atypical presentations. Presented at the Winter Radiology Continuing Education Program. Wake Forest University School of Medicine, Cancun, Mexico, January 24 - 31, 1998.
15. The radiological diagnosis of osteoporosis. Presented at the Southern Medical Association's Conference on Osteoporosis. Amelia Island, Florida, February 20-22, 1998.
16. Densitometry and osteoporosis. Presented at the Person County Memorial Hospital. Roxboro, North Carolina, May 21, 1998.
17. Osteoporosis: background and epidemiological considerations. Presented at the Assessment of Bone Density and Structure Mini-Symposium. Brussels, Belgium, June 6, 1998.
18. Interpretation and reporting of DEXA. Presented at the Assessment of Bone Density and Structure Mini-Symposium. Brussels, Belgium, June 6, 1998.
19. Treatment of osteoporosis: an update. Presented at the Assessment of Bone Density and Structure Mini-Symposium. Brussels, Belgium, June 6, 1998.
20. Unique opportunities and clinical issues in densitometry. Presented at the Bone Densitometry: Theory and Applications for Radiologists Course. La Jolla, California, June 13, 1998.
21. DXA report model. Presented at the Bone Densitometry: Theory and Applications for

Radiologists Course. La Jolla, California, June 13, 1998.

22. Interpretation of DXA scans. Presented at the Bone Densitometry: Theory and Applications for Radiologists Course. La Jolla, California, June 13, 1998.
23. Radiation safety and basic principles of DXA. Presented at the Korea Health Council on Osteoporosis International Symposium on Bone and International Society for Clinical Densitometry Certification Course. Seoul, Korea, June 28, 1998.
24. Radiological diagnosis of osteoporosis. Presented at the Southern Medical Association: Focus on Older Patient Conference. Branson, Missouri, August 8, 1998.
25. Cases in osteoporosis. Presented at the Southern Medical Association: Focus on Older Patient Conference. Branson, Missouri, August 8, 1998.
26. Overview of osteoporosis. Presented at the 27th Brazilian Congress of Radiology and the 6th Brazilian Congress of Ultrasound. Belo Horizonte, Brazil, September 4, 1998.
27. Radiological diagnosis of osteoporosis. Presented at the 27th Brazilian Congress of Radiology and the 6th Brazilian Congress of Ultrasound. Belo Horizonte, Brazil, September 4, 1998.
28. Interpretation and reporting of DEXA scans. Presented at the 27th Brazilian Congress of Radiology and the 6th Brazilian Congress of Ultrasound. Belo Horizonte, Brazil, September 4, 1998.
29. Osteoporosis and bone mass measurement. Presented at the 27th Brazilian Congress of Radiology and the 6th Brazilian Congress of Ultrasound. Belo Horizonte, Brazil, September 4, 1998.
30. Review of bone mass measurement. Presented at the 27th Brazilian Congress of Radiology and the 6th Brazilian Congress of Ultrasound. Belo Horizonte, Brazil, September 4, 1998.
31. Unique opportunities and clinical issues in osteoporosis and interpretation of DEXA scans. Presented at the 27th Brazilian Congress of Radiology and the 6th Brazilian Congress of Ultrasound. Belo Horizonte, Brazil, September 4, 1998.
32. MRI of the spine. Presented at the Roane Medical Center Medical Society Meeting. Harriman, Tennessee, September 8, 1998.
33. Interpretation and reporting of DXA scans. Presented at the Medical College of Georgia. Augusta, Georgia, September 26, 1998.
34. Overview of osteoporosis. Presented at the Wake Forest University School of Medicine 6th Annual Multidisciplinary Conference: Osteoporosis at The Greenbrier. White Sulphur Springs, West Virginia, October 22 - 25, 1998.
35. Clinical utility of densitometry. Presented at the Wake Forest University School of Medicine 6th Annual Multidisciplinary Conference: Osteoporosis at The Greenbrier. White Sulphur Springs, West Virginia, October 22 - 25, 1998.
36. Acquisition and analysis of DEXA scans. Presented at the Wake Forest University School of Medicine 6th Annual Multidisciplinary Conference: Osteoporosis at The Greenbrier. White Sulphur Springs, West Virginia, October 22 - 25, 1998.
37. Interpretation and reporting of DEXA scans. Presented at the Wake Forest University School of

Medicine 6th Annual Multidisciplinary Conference: Osteoporosis at The Greenbrier. White Sulphur Springs, West Virginia, October 22 - 25, 1998.

38. Central DEXA and QCT. Presented at the East Tennessee State University Conference: Diagnosis, Treatment, and Prevention of Osteoporosis. Blowing Rock, North Carolina, October 31, 1998.
39. Peripheral bone mass measurements. Presented at the East Tennessee State University Conference: Diagnosis, Treatment, and Prevention of Osteoporosis. Blowing Rock, North Carolina, October 31, 1998.
40. Advanced bone density interpretation and reporting. Presented at the International Society for Clinical Densitometry Advanced Certification Course. Grand Cayman, British West Indies, November 7, 1998.
41. Imaging of sports-related injuries: an overview. Presented at the 84th Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, Illinois, November 29 - December 4, 1998.
42. Precision of peripheral and central technologies: how to calculate it and how it impacts the interpretation. Presented at the 5th Annual Scientific Meeting of the International Society for Clinical Densitometry. New Orleans, Louisiana, January 16, 1999.
43. Osteoporosis update. Presented at the 1999 Rainbow of Education program for North Carolina Society of Radiologic Technologists. Burlington, North Carolina, January 23, 1999.
44. Bone densitometry: what every radiologist should know. Presented at the Cleveland Radiological Society Meeting. Cleveland, Ohio, January 25, 1999.
45. Musculoskeletal MRI. Presented at the Oconee County Medical Society Meeting. Clemson, South Carolina, February 15, 1999.
46. Central DEXA and QCT. Presented at the Southern Medical Association Second Conference on Osteoporosis: Diagnosis, Management, and Prevention. Stuart, Florida, February 19, 1999.
47. Peripheral bone measurements. Presented at the Southern Medical Association Second Conference on Osteoporosis: Diagnosis, Management, and Prevention. Stuart, Florida, February 19, 1999.
48. Densitometry case presentations. Presented at the Southern Medical Association Second Conference on Osteoporosis: Diagnosis, Management, And Prevention. Stuart, Florida, February 19, 1999.
49. Bone densitometry for radiologists. Presented at the Annual Meeting of the Society for Skeletal Radiology. Scottsdale, Arizona, March 2, 1999.
50. Applications of bone ultrasonometry 1999. Presented at the Bone Ultrasonometry: Third International Symposium for Clinical Practitioners. Key Largo, Florida, April 15, 1999.
51. Case studies in ultrasonometry. Presented at the Bone Ultrasonometry: Third

International Symposium for Clinical Practitioners. Key Largo, Florida, April 15, 1999.

52. Epidemiology of osteoporosis. Presented at the Annual Meeting of the Iowa Radiological Society. Des Moines, Iowa, April 17, 1999.
53. Current status of densitometric techniques and setting up your densitometry practice. Presented at the Annual Meeting of the Iowa Radiological Society. Des Moines, Iowa, April 17, 1999.
54. Interpretation of DXA scans. Presented at the Annual Meeting of the Iowa Radiological Society. Des Moines, Iowa, April 17, 1999.
55. Reporting of DXA scans. Presented at the Annual Meeting of the Iowa Radiological Society. Des Moines, Iowa, April 17, 1999.
56. Imaging and treatment of osteoporosis. Presented at the American Roentgen Ray Society 99th Annual Meeting. New Orleans, Louisiana, May 11, 1999.
57. Radiation safety in bone densitometry. Presented at the 3rd Congress of Brazilian Society of Densitometry. Brasilia, Brazil, May 28, 1999.
58. Radiology of osteoporosis. Presented at the 3rd Congress of Brazilian Society of Densitometry. Brasilia, Brazil, May 28, 1999.
59. Reporting of bone densitometry scans. Presented at the 3rd Congress of Brazilian Society of Densitometry. Brasilia, Brazil, May 29, 1999.
60. Risk factors for fracture other than bone mineral density. Presented at the 3rd Congress of Brazilian Society of Densitometry. Brasilia, Brazil, May 29, 1999.
61. How to report fracture risk. Presented at the 3rd Congress of Brazilian Society of Densitometry. Brasilia, Brazil, May 29, 1999.
62. Osteoporosis: evaluation, treatment, and prevention. Presented at the Medical Staff Grand Rounds of Caldwell Memorial Hospital. Lenoir, North Carolina, June 15, 1999.
63. Bone densitometry for diagnosis of osteoporosis. Presented at the International Society for Clinical Densitometry Certification Course. Mexico City, Mexico, July 30, 1999.
64. Bone densitometry for predicting fracture risk. Presented at the International Society for Clinical Densitometry Certification Course. Mexico City, Mexico, July 30, 1999.
65. Bone densitometry for monitoring therapy. Presented at the International Society for Clinical Densitometry Certification Course. Mexico City, Mexico, July 30, 1999.
66. Overview of osteoporosis. Presented at the 7th Annual Multidisciplinary Conference: Osteoporosis, sponsored by Wake Forest University School of Medicine. White Sulphur Springs, West Virginia, October 28-31, 1999.
67. Clinical utility of densitometry. Presented at the 7th Annual Multidisciplinary Conference: Osteoporosis, sponsored by Wake Forest University School of Medicine. White Sulphur Springs, West Virginia, October 28-31, 1999.
68. Interpretation and reporting of DEXA scans. Presented at the 7th Annual Multidisciplinary

Conference: Osteoporosis, sponsored by Wake Forest University School of Medicine. White Sulphur Springs, West Virginia, October 28-31, 1999.

69. Bone density measurement limitations: artifacts, pitfalls, troubleshooting. Presented at Osteoporosis in Canada Symposium. Toronto, Ontario, Canada, November 5, 1999.
70. Dilemmas in the practice of bone densitometry: practical management of BD principles in evolution. Presented at the Advanced Densitometry Course of the International Society for Clinical Densitometry. Grand Cayman, British West Indies, November 19-20, 1999.
71. Artifacts and the most difficult interpretive pitfalls. Presented at the Advanced Densitometry Course of the International Society for Clinical Densitometry. Grand Cayman, British West Indies, November 19- 20, 1999.
72. Case studies and interpretation. Presented at the Advanced Densitometry Course of the International Society for Clinical Densitometry. Grand Cayman, British West Indies, November 19-20, 1999.
73. Imaging of sports-related injuries: an overview. Presented at the 85th Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, Illinois, November 28-December 3, 1999.
74. Bone Densitometry in osteoporosis. Presented at the 85th Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, Illinois, November 28-December 3, 1999.
75. Practical aspects of DEXA interpretation. Presented at the Impact of New Therapeutics in Osteoporosis Meeting of the International Society for Clinical Densitometry. Tempe, Arizona, February 11-13, 2000.
76. Dual energy X-ray absorptiometry. Presented at the Third Conference on Osteoporosis. Amelia Island, Florida, February 18-20, 2000.
77. Peripheral bone mass measurements. Presented at the Third Conference on Osteoporosis. Amelia Island, Florida, February 18-20, 2000.
78. Clinical utility of bone densitometry. Presented at the Bone Densitometry Symposium of the International Society for Clinical Densitometry and the International Osteoporosis Foundation. London, England, March 12-13, 2000.
79. Technological basis of bone densitometry. Presented at the Bone Densitometry Symposium of the International Society for Clinical Densitometry and the International Osteoporosis Foundation. London, England, March 12-13, 2000.
80. Radiation safety, quality assurance. Presented at the Bone Densitometry Symposium of the International Society for Clinical Densitometry and the International Osteoporosis Foundation. London, England, March 12-13, 2000.
81. Risk assessment. Presented at the Bone Densitometry Symposium of the International Society for Clinical Densitometry and the International Osteoporosis Foundation. London, England, March 12- 13, 2000.
82. Interpretation and pitfalls. Presented at the Bone Densitometry Symposium of the International

Society for Clinical Densitometry and the International Osteoporosis Foundation. London, England, March 12- 13, 2000.

83. Osteoporosis: diagnosis and monitoring. Presented at the Wake Area Health Education Center (AHEC) Osteoporosis Symposium. Raleigh, North Carolina, March 29, 2000.
84. Osteoporosis intensive. Presented at the 21st Annual Meeting of the Southern Gerontological Society. Raleigh, North Carolina, March 30-April 2, 2000.
85. Challenging cases and new developments in osteoporosis. Presented at the Piedmont Hospital Department of Medicine Grand Rounds. Atlanta, Georgia, May 17, 2000.
86. Meet the professor-BMD technical. Presented at the National Osteoporosis Foundation World Congress on Osteoporosis. Chicago, Illinois, June 15-18, 2000.
87. Fractures in the elderly. Presented at the Wake Forest University School of Medicine Summer Radiology Continuing Education Program. Hilton Head Island, South Carolina, June 26-30, 2000.
88. Practical approach to DXA scan interpretation. Presented at the Wake Forest University School of Medicine Summer Radiology Continuing Education Program. Hilton Head Island, South Carolina, June 26-30, 2000.
89. Diagnosis of osteoporosis. Presented at the Practical Women's Health for Primary Care Series of the Wake Forest University School of Medicine. Winston-Salem, North Carolina, July 28, 2000.
90. DXA: applications and advances. Presented at the 27th Annual Refresher Course of the International Skeletal Society. Barcelona, Spain, September 15, 2000.
91. Osteoporosis. Presented at the Frank R. Lock 24th Annual Obstetrics and Gynecology Symposium of the Wake Forest University School of Medicine. Winston-Salem, North Carolina, October 6, 2000.
92. An Overview of bone densitometry. Presented at the National Osteoporosis Congress and Densitometry Course. Cape Town, South Africa, October 20 - 22, 2000.
93. Bone densitometry for diagnosis. Presented at the National Osteoporosis Congress and Densitometry Course. Cape Town, South Africa, October 20 - 22, 2000.
94. Bone densitometry for fracture risk assessment. Presented at the National Osteoporosis Congress and Densitometry Course. Cape Town, South Africa, October 20 - 22, 2000.
95. Monitoring skeletal status and effectiveness of therapy with bone densitometry. Presented at the National Osteoporosis Congress and Densitometry Course. Cape Town, South Africa, October 20 - 22, 2000.
96. Interpretation and reporting of bone densitometry scans. Presented at the National Osteoporosis Congress and Densitometry Course. Cape Town, South Africa, October 20 - 22, 2000.
97. Epidemiology of low bone mass. Presented at the Multidisciplinary Conference:

Osteoporosis, sponsored by Wake Forest University School of Medicine. White Sulphur Springs, West Virginia, November 2-5, 2000.

98. Epidemiology of osteoporotic fractures. Presented at the Multidisciplinary Conference: Osteoporosis, sponsored by Wake Forest University School of Medicine. White Sulphur Springs, West Virginia, November 2-5, 2000.
99. DXA in diagnosis of osteoporosis, estimation of fracture risk, and monitoring treatment. Presented at the Multidisciplinary Conference: Osteoporosis, sponsored by Wake Forest University School of Medicine. White Sulphur Springs, West Virginia, November 2-5, 2000.
100. Peripheral densitometry. Presented at the Multidisciplinary Conference: Osteoporosis, sponsored by Wake Forest University School of Medicine. White Sulphur Springs, West Virginia, November 2- 5, 2000.
101. Pitfalls in DXA scan interpretation. Presented at the Multidisciplinary Conference: Osteoporosis, sponsored by Wake Forest University School of Medicine. White Sulphur Springs, West Virginia, November 2-5, 2000.
102. Case presentations. Presented at the Multidisciplinary Conference: Osteoporosis, sponsored by Wake Forest University School of Medicine. White Sulphur Springs, West Virginia, November 2-5, 2000.
103. Osteoporosis Update. Presented at the 86th Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, Illinois, November 26-December 1, 2000.
104. Bone densitometry-State of the art. Presented at the Wake Forest University School of Medicine Winter Radiology Continuing Education Program. Costa Rica, January 20-26, 2001.
105. Shoulder imaging. Presented at the Wake Forest University School of Medicine Winter Radiology Continuing Education Program. Costa Rica, January 20-26, 2001.
106. Rationale for osteoporosis screening. Presented at the Wake Forest University School of Medicine Winter Radiology Continuing Education Program. Costa Rica, January 20-26, 2001.
107. The role of screening for osteoporosis using peripheral densitometry. Presented at the Southern Medical Association 4th Conference on Osteoporosis. Amelia Island, Florida, February 22, 2001
108. Update on diagnostic tools. Presented at a CME Symposium sponsored by Postgraduate Institute for Medicine: Clinical Implications of Osteoporosis: An Orthopedic Surgeon's Perspective. San Francisco, California, March 2, 2001.
109. Skeletal site selection and DXA scan quality. Presented at the 7th Annual Scientific Meeting of the International Society for Clinical Densitometry. Dallas, Texas, March 13-17, 2001.
110. Osteoporosis. Presented at the 33rd International Diagnostic Course. Davos, Switzerland, March 24- 30, 2001.
111. Update on osteoporosis and bone densitometry. Presented at the 101st Annual Meeting of the American Roentgen Ray Society. Seattle, Washington, May 3, 2001.

112. Osteoporosis and bone density. Presented at the Spine Review Course for the North Carolina Chapter of the American College of Radiology. Charlotte, North Carolina, May 6, 2001.
113. Interpretation of DXA scans. Presented at the Joint Certification Course of International Osteoporosis Foundation and International Society for Clinical Densitometry. Munich, Germany, May 12, 2001.
114. Controversies in bone densitometry. Presented at the Joint Certification Course of International Osteoporosis Foundation and International Society for Clinical Densitometry. Munich, Germany, May 12, 2001.
115. Osteoporosis. Radiology Grand Rounds, Brown University School of Medicine. Providence, Rhode Island, June 4, 2001
116. Musculoskeletal radiology cases-Are you ordering the right tests? Presented at the Wake Forest University School of Medicine 30th Annual Emory C. Miller Medical Symposium. Myrtle Beach, South Carolina, July 9-13, 2001.
117. Bone densitometry and osteoporosis. Presented at the Wake Forest University School of Medicine 30th Annual Emory C. Miller Medical Symposium. Myrtle Beach, South Carolina, July 9-13, 2001.
118. Osteoporosis: diagnosis, management, and prevention. Presented at the Southern Medical Association Hot Topics in Primary Care. Amelia Island, Florida, July 29-August 1, 2001
119. The technical basis for bone mass measurement-overview of available technologies. Presented at the Chinese University of Hong Kong Regional Osteoporosis Symposium and Certificate Course. Hong Kong, October 28, 2001.
120. The technical basis for bone mass measurement-radiation safety and quality assurance. Presented at the Chinese University of Hong Kong Regional Osteoporosis Symposium and Certificate Course. Hong Kong, October 28, 2001.
121. Interpretation and reporting of central DXA scans. Presented at the Chinese University of Hong Kong Regional Osteoporosis Symposium and Certificate Course. Hong Kong, October 28, 2001.
122. Densitometry-Clinical applications and interpretation of bone mineral density scans. Presented at the Georgia Academy of Family Physicians 53rd Annual Scientific Assembly and Exhibition. Atlanta, Georgia, November 30, 2001.
123. Bone densitometry for diagnosis and management of osteoporosis. Presented at the Emory University School of Medicine CME Course: Advances in Osteoporosis and Bone Densitometry. Atlanta, Georgia, December 1, 2001.
124. ISCD consensus conference reports. Presented at the 8th Annual Scientific Meeting of the International Society for Clinical Densitometry. Atlanta, Georgia, February 16, 2002.
125. Technical basis of bone densitometry. Presented at the Southern Medical Association 5th Conference on Osteoporosis Diagnosis, Management and Prevention. Amelia Island, Florida, February 21, 2002.
126. Radiation safety and quality assurance. Presented at the Southern Medical Association 5th

Conference on Osteoporosis Diagnosis, Management and Prevention. Amelia Island, Florida, February 21, 2002.

127. DXA interpretation and reporting. Presented at the Southern Medical Association 5th Conference on Osteoporosis Diagnosis, Management and Prevention. Amelia Island, Florida, February 21, 2002.
128. How to monitor patients with osteoporosis. Presented at the Southern Medical Association 5th Conference on Osteoporosis Diagnosis, Management and Prevention. Amelia Island, Florida, February 22, 2002.
129. Controversies in bone mineral density measurement. Presented at the Southern Medical Association 5th Conference on Osteoporosis Diagnosis, Management and Prevention. Amelia Island, Florida, February 23, 2002.
130. The technical basis for bone mass measurement. Presented at the American College of Endocrinology and Mayo Clinic Endocrine University: Technology for Endocrinology Fellows in Training. Rochester, Minnesota, April 10, 2002.
131. Densitometry cases. Presented at the American College of Endocrinology and Mayo Clinic Endocrine University: Technology for Endocrinology Fellows in Training. Rochester, Minnesota, April 10, 2002.
132. Osteoporosis. Presented at the North Carolina Society of Radiological Technologists Annual Conference. Raleigh, North Carolina, April 13, 2002.
133. Osteoporosis and bone densitometry: An update. Presented at American Roentgen Ray Society 102nd Annual Meeting. Atlanta, Georgia, May 2, 2002.
134. Bone densitometry: Difficult cases. Presented at the American Association of Clinical Endocrinologists 11th Annual Meeting and Clinical Congress. Chicago, Illinois, May 4, 2002.
135. Musculoskeletal MRI cases. Presented at the Wake Forest University School of Medicine Summer Radiology Continuing Education Program. Hilton Head, South Carolina, June 24-28, 2002.
136. DXA scan interpretation: Basics. Presented at the Wake Forest University School of Medicine Summer Radiology Continuing Education Program. Hilton Head, South Carolina, June 24-28, 2002.
137. DXA scan interpretation: Controversies. Presented at the Wake Forest University School of Medicine Summer Radiology Continuing Education Program. Hilton Head, South Carolina, June 24-28, 2002.
138. How to monitor patients with osteoporosis. Presented at the 3rd Annual Santa Fe Bone Symposium. Santa Fe, New Mexico, August 2, 2002.
139. Consensus and controversy in bone densitometry: Is BMD testing here to stay? Presented at the 3rd Annual Santa Fe Bone Symposium. Santa Fe, New Mexico, August 3, 2002.
140. Osteoporosis-clinical problems and pitfalls. Presented at the International Skeletal Society 29th Annual Refresher Course: Diagnosis and Management of Musculoskeletal Disorders. Geneva, Switzerland, September 26, 2002.

141. Approaches to non-invasive measurements of bone mineral density. Presented at the 16th Annual Osteoporosis Symposium of Metabolic Bone Disease Society of Colorado. Denver, Colorado, September 27, 2002.
142. Bone densitometry. Presented at the Medicine Grand Rounds Scott & White Memorial Hospital. Temple, Texas, October 25, 2002.
143. Basic science of densitometry and device operating principles. Presented at the 2nd Asian Pacific Regional Osteoporosis Symposium and ISCD Certificate Course. Hong Kong, November 2, 2002.
144. X-ray science, radiation safety, and quality assurance. Presented at the 2nd Asian Pacific Regional Osteoporosis Symposium and ISCD Certificate Course. Hong Kong, November 2, 2002.
145. Monitoring with bone densitometry. Presented at the 2nd Asian Pacific Regional Osteoporosis Symposium and ISCD Certificate Course. Hong Kong, November 2, 2002.
146. Principles of DEXA scan interpretation. Presented at the 2nd Asian Pacific Regional Osteoporosis Symposium and ISCD Certificate Course. Hong Kong, November 2, 2002.
147. Principles of DEXA scan reporting. Presented at the 2nd Asian Pacific Regional Osteoporosis Symposium and ISCD Certificate Course. Hong Kong, November 2, 2002.
148. Bone densitometry and osteoporosis. Presented at the Fall Meeting of North Carolina Radiological Society. Greensboro, North Carolina, November 16, 2002.
149. Epidemiology of osteoporosis. Presented at the Wake Forest University School of Medicine Conference on Osteoporosis and Bone Densitometry. Sea Island, Georgia, August 21-24, 2003.
150. Bone densitometry. Presented at the Wake Forest University School of Medicine Conference on Osteoporosis and Bone Densitometry. Sea Island, Georgia, August 21-24, 2003.
151. Practical approach to DXA interpretation. Presented at the Wake Forest University School of Medicine Conference on Osteoporosis and Bone Densitometry. Sea Island, Georgia, August 21-24, 2003.
152. Diagnosis of osteoporosis fractures. Presented at the Wake Forest University School of Medicine Conference on Osteoporosis and Bone Densitometry. Sea Island, Georgia, August 21-24, 2003.
153. Selection of patients for therapy and monitoring therapy with DXA. Presented at the Wake Forest University School of Medicine Conference on Osteoporosis and Bone Densitometry. Sea Island, Georgia, August 21-24, 2003.
154. Practical approach to DXA scan interpretation. Presented at the International Skeletal Society 30th Annual Refresher Course: Diagnosis and Management of Musculoskeletal Disorders. San Francisco, California, September 18, 2003.
155. Imaging techniques in rheumatic disease. Presented at the Annual Meeting of American College of Rheumatology. Orlando, Florida, October 24, 2003.

156. Assessment of osteoporosis-state of the art. Presented at the 89th Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, Illinois, December 2, 2003.
157. MRI of the shoulder. Presented at the Wake Forest University School of Medicine Neuro and MSK MRI Radiology Review. White Sulphur Springs, West Virginia, April 13, 2004.
158. MSK Aunt Minnie. Presented at the Wake Forest University School of Medicine Neuro and MSK MRI Radiology Review. White Sulphur Springs, West Virginia, April 13, 2004.
159. MRI of stress and insufficiency fractures. Presented at the Wake Forest University School of Medicine Neuro and MSK MRI Radiology Review. White Sulphur Springs, West Virginia, April 13, 2004.
160. Epidemiology of osteoporosis. Presented at the Wake Forest University School of Medicine Multidisciplinary Conference on Osteoporosis and Bone Densitometry. Sea Island, Georgia, August 5, 2004.
161. Practical approach to DXA interpretation. Presented at the Wake Forest University School of Medicine Multidisciplinary Conference on Osteoporosis and Bone Densitometry. Sea Island, Georgia, August 5, 2004.
162. Monitoring therapy with DXA. Presented at the Wake Forest University School of Medicine Multidisciplinary Conference on Osteoporosis and Bone Densitometry. Sea Island, Georgia, August 5, 2004.
163. Diagnosis of osteoporotic fractures. Presented at the Wake Forest University School of Medicine Multidisciplinary Conference on Osteoporosis and Bone Densitometry. Sea Island, Georgia, August 5, 2004.
164. Vertebral fractures. Presented at the International Skeletal Society 31st Annual Refresher Course: Diagnosis and Management of Musculoskeletal Disorders. St. Julian's, Malta, October 6, 2004.
165. Assessment of osteoporosis-state of the art. Presented at the 90th Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, Illinois, December 1, 2004.
166. MRI imaging of the shoulder. Presented at the Wake Forest University School of Medicine Winter Radiology Review. St. Kitts, West Indies, January 23, 2005.
167. Vertebral fractures. Presented at the Wake Forest University School of Medicine Winter Radiology Review. St. Kitts, West Indies, January 23, 2005.
168. Musculoskeletal MRI cases. Presented at the Wake Forest University School of Medicine Winter Radiology Review. St. Kitts, West Indies, January 23, 2005.
169. Basic science of bone densitometry. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Pittsburgh, Pennsylvania, May 21, 2005.
170. X-ray science. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Pittsburgh, Pennsylvania, May 21, 2005.

171. Monitoring with densitometry. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Pittsburgh, Pennsylvania, May 21, 2005.
172. State of the art DXA interpretation. Presented at the Wake Forest University School of Medicine Summer Radiology Review. Hilton Head, South Carolina, June 24, 2005.
173. Cutting edge topics in shoulder MR. Presented at the Wake Forest University School of Medicine Summer Radiology Review. Hilton Head, South Carolina, June 24, 2005.
174. Diagnosis of osteoporosis. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Santa Barbara, California, July 23, 2005.
175. Fracture risk. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Santa Barbara, California, July 23, 2005.
176. DXA interpretation. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Santa Barbara, California, July 23, 2005.
177. DXA reporting. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Santa Barbara, California, July 23, 2005.
178. Basic science of bone densitometry course. Nashville, Tennessee, September 21, 2005.
179. X-ray science. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Nashville, Tennessee, September 21, 2005.
180. Monitoring with densitometry. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Nashville, Tennessee, September 21, 2005.
181. DXA interpretation. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Nashville, Tennessee, September 21, 2005.
182. Vertebral fracture: A Call to Action. Presented at the International Skeletal Society 32nd Refresher Course on Radiological Diagnosis and Management of Musculoskeletal Disorders. Singapore, September 29, 2005.
183. MR imaging of the knee. Presented at the Wake Forest University School of Medicine Sports Injuries A Multispecialty Review. White Sulphur Springs, West Virginia, November 4, 2005.
184. MR imaging of ankle injuries. Presented at the Wake Forest University School of Medicine Sports Injuries A Multispecialty Review. White Sulphur Springs, West Virginia, November 4, 2005.
185. Imaging stress injuries. Presented at the Wake Forest University School of Medicine Sports Injuries A Multispecialty Review. White Sulphur Springs, West Virginia, November 4, 2005.
186. MR imaging of shoulder instability. Presented at the State of the Art Musculoskeletal Course. Chaim Sheba Medical Center, Tel Aviv, Israel, June 21, 2006.
187. Imaging of stress injuries. Presented at the State of the Art Musculoskeletal Course. Chaim Sheba Medical Center, Tel Aviv, Israel, June 21, 2006.
188. Basic science of bone densitometry. Presented at the International Society for Clinical

Densitometry Bone Densitometry Course. Philadelphia, Pennsylvania, September 13, 2006.

189. Diagnosis of osteoporosis. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Philadelphia, Pennsylvania, September 13, 2006.
190. Fracture risk. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Philadelphia, Pennsylvania, September 13, 2006.
191. Monitoring with densitometry. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Philadelphia, Pennsylvania, September 13, 2006.
192. Basic Science of bone densitometry. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Charlotte, North Carolina, October 10, 2006.
193. X-ray science. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Charlotte, North Carolina, October 10, 2006.
194. Monitoring with densitometry. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Charlotte, North Carolina, October 10, 2006.
195. Friday imaging symposium: imaging and interventions in the aging patient. Presented at the 92nd Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, Illinois, December 1, 2006.
196. Overview of osteoporosis. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Hartford, Connecticut, May 5, 2007.
197. Diagnosis of osteoporosis. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Hartford, Connecticut, May 5, 2007.
198. DXA interpretation. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Hartford, Connecticut, May 5, 2007.
199. DXA update. Presented at the Wake Forest University School of Medicine Summer Radiology Review. Hilton Head, South Carolina, June 27, 2007.
200. MRI evaluation of arthritis. Presented at the Wake Forest University School of Medicine Summer Radiology Review. Hilton Head, South Carolina, June 27, 2007.
201. Basic science of bone densitometry. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Memphis, Tennessee, August 25, 2007.
202. DXA interpretation. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Memphis, Tennessee, August 25, 2007.
203. DXA reporting. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Memphis, Tennessee, August 25, 2007.
204. The role of DXA: interpretation and pitfalls. Presented at the 34th Annual Radiology Refresher Course of the International Skeletal Society. Budapest, Hungary, October 12, 2007.

205. X-ray science. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Chicago, Illinois, December 1, 2007.
206. Diagnosis of osteoporosis. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Chicago, Illinois, December 1, 2007.
207. Monitoring with densitometry. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Chicago, Illinois, December 1, 2007.
208. Overview of osteoporosis. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Atlanta, Georgia, June 21, 2008.
209. Interpretation of DXA scans. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Atlanta, Georgia, June 21, 2008.
210. Introduction to VFA. Presented at the International Society for Clinical Densitometry Bone Densitometry Course. Atlanta, Georgia, June 21, 2008.
211. Osteoporosis. Presented at the 35th Annual Radiology Refresher Course of the International Skeletal Society. New Delhi, India, October 31, 2008.
212. Knee MRI. Presented at the Wake Forest University School of Medicine Winter Radiology Review. Grand Cayman, British West Indies, February 6, 2009.
213. Ankle MRI. Presented at the Wake Forest University School of Medicine Winter Radiology Review. Grand Cayman, British West Indies, February 6, 2009.
214. Shoulder MRI. Presented at the Wake Forest University School of Medicine Winter Radiology Review. Grand Cayman, British West Indies, February 6, 2009.
215. Basic science of bone densitometry. Presented at the Bone Densitometry Course of the International Society for Clinical Densitometry. Orlando, Florida, March 10, 2009.
216. X-ray science. Presented at the Bone Densitometry Course of the International Society for Clinical Densitometry. Orlando, Florida, March 10, 2009.
217. Monitoring with bone densitometry. Presented at the Bone Densitometry Course of the International Society for Clinical Densitometry. Orlando, Florida, March 10, 2009.
218. Overview of osteoporosis. Presented at the Bone Densitometry Course of the International Society for Clinical Densitometry. Atlanta, Georgia, October 7, 2009.
219. Use of bone densitometry for the diagnosis of osteoporosis. Presented at the Bone Densitometry Course of the International Society for Clinical Densitometry. Atlanta, Georgia, October 7, 2009.
220. Principles of DXA scan interpretation. Presented at the Bone Densitometry Course of the International Society for Clinical Densitometry. Atlanta, Georgia, October 7, 2009.
221. Basic science of bone densitometry. Presented at the Densitometry Course of the International Society for Clinical Densitometry. Charlotte, North Carolina, October 30,

2010.

222. X-ray science. Presented at the Densitometry Course of the International Society for Clinical Densitometry. Charlotte, North Carolina, October 30, 2010.
223. Principles of DXA scan interpretation. Presented at the Bone Densitometry Course of the International Society for Clinical Densitometry. Charlotte, North Carolina, October 30, 2010.
224. Knee MRI. Presented at the Wake Forest University School of Medicine Winter Radiology Review. Puerto Vallarta, Mexico, February 4, 2011.
225. Shoulder MRI. Presented at the Wake Forest University School of Medicine Winter Radiology Review. Puerto Vallarta, Mexico, February 4, 2011.
226. DXA interpretation update. Presented at the Wake Forest University School of Medicine Winter Radiology Review. Puerto Vallarta, Mexico, February 4, 2011.
227. Radiology of osteoporosis. Presented at the 17th Annual Meeting of International Society for Clinical Densitometry. Miami, Florida, April 8, 2011.
228. Imaging of osteoporosis. Presented at the Radiology Grand Rounds, Hospital for Special Surgery. New York, New York, June 15, 2011.
229. Hand and wrist cases. Presented at the International Skeletal Society Annual Meeting. San Diego, California, September 22, 2011.
230. Basic science of bone densitometry. Presented at the Bone Densitometry Course of the International Society for Clinical Densitometry. Hartford, Connecticut, October 1, 2011.
231. X-ray science. Presented at the Bone Densitometry Course of the International Society for Clinical Densitometry. Hartford, Connecticut, October 1, 2011.
232. Monitoring with bone densitometry. Presented at the Bone Densitometry Course of the International Society for Clinical Densitometry. Hartford, Connecticut, October 1, 2011.
233. Refresher course: osteoporosis and marrow imaging. Presented at the 97th Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, Illinois, December 1, 2011.
234. Stump the Professor. Presented at the 18th Annual Meeting of the International Society for Clinical Densitometry. Los Angeles, CA, March 8, 2012.
235. Assessing fracture risk: updates on FRAX. Presented at the Osteoporosis Symposia of the Toronto's Center of Excellence in Skeletal Health. Toronto, Canada, June 5, 2012.
236. Basic science of bone densitometry. Presented at the Bone Densitometry Course of the International Society for Clinical Densitometry. Toronto, Canada, June 6, 2012.
237. X-ray science. Presented at the Bone Densitometry Course of the International Society for Clinical Densitometry. Toronto, Canada, June 6, 2012.

238. Monitoring with bone densitometry. Presented at the Bone Densitometry Course of the International Society for Clinical Densitometry. Toronto, Canada, June 6, 2012.
239. Basic science of bone densitometry. Presented at the Bone Densitometry Course of the International Society for Clinical Densitometry. Albuquerque, New Mexico, August 8, 2012.
240. X-ray science, radiation safety, and quality assurance. Presented at the Bone Densitometry Course of the International Society for Clinical Densitometry. Albuquerque, New Mexico, August 8, 2012.
241. Monitoring with bone densitometry. Presented at the Bone Densitometry Course of the International Society for Clinical Densitometry. Albuquerque, New Mexico, August 8, 2012.
242. Bone densitometry: the essentials. Presented at the 39th Annual Meeting and Musculoskeletal Imaging Course of the International Skeletal Society. Rome, Italy, September 13, 2012.
243. Refresher course: Osteoporosis and marrow imaging. Presented at the 98th Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, IL, November 30, 2012.
244. Osteoporosis: evaluation, treatment, and prevention. Presented at the Caldwell Memorial Hospital Grand Rounds. Lenoir, NC, December 18, 2012.
245. Oncogenic osteomalacia. Presented at the International Skeletal Society 40th Annual Meeting. Philadelphia, PA, October 4, 2013.
246. Refresher course: Case-based review of Magnetic Resonance: Wrist and hand. Presented at the 99th Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, IL, December 2, 2013.
247. Optimizing Report Turnaround Time in an Academic Musculoskeletal Section: From a System-wide Evaluation to an Action Plan. Presented at the Association of University Radiologists 62nd Annual Meeting. Baltimore, MD April 1-4, 2014.
248. How to Avoid Mistakes Radiographically. Presented at the International Skeletal Society 41st Annual Meeting. Edinburgh, Scotland, October 17, 2014.
249. Pelvis and Acetabular Fractures: How Do I Describe Them? Presented at the International Skeletal Society 41st Annual Meeting. Edinburgh, Scotland, October 18, 2014.
250. Arthritis: Radiographic Patterns of Disease. Presented at the International Skeletal Society 42nd Annual Meeting. Maui, Hawaii, September 30, 2015.
251. Refresher course: Case-based review of Musculoskeletal Radiology: Wrist and hand. Presented at the 101st Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, IL, December 3, 2015.
252. TFCC Lesions in the Athlete. Presented at the International Skeletal Society 43rd Annual Meeting. Paris, France, September 7, 2016.

253. Injuries of the Triangular Fibrocartilage Complex. Presented at the Radiology Grand Rounds, University of Maryland School of Medicine, Baltimore MD, October 26, 2016.
254. Board Review Cases. Presented at Radiology Department, University of Maryland School of Medicine, Baltimore MD, October 26, 2016.
255. Refresher course: State-of-the-Art Imaging of Osteoporosis. Presented at the 102nd Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, IL, November 29, 2016.

PAST GRANT HISTORY:

National Institute of Health 1991-2002 P01 (HL45666)

“Cardiovascular Benefits of Soy Estrogen”

Principal Investigator: Thomas B. Clarkson, D.V.M.

Co-Investigator: Leon Lenchik, M.D.

One of the goals of this project is to determine whether soy phytoestrogens adversely improve bone development and peak bone mass in high risk female monkeys. Study includes assessment of BMD using DXA.

National Institute of Health 1997-2002 P60 AG10484

“Claude D. Pepper Older Americans Independence Centers”

Principal Investigator: Marco Pahor, M.D.

Co-Investigator: Leon Lenchik, M.D.

The major goals of this project are the testing and dissemination of effective therapies for the treatment and prevention of physical disability from chronic diseases in later life.

Wake Forest University 2000-2001 Claude Pepper OAIC

“Efficacy of Exercise with and without ACE inhibition in improving lower extremity strength, function, and muscle mass in older adults with moderate disability”

Principal Investigators: Jeff D. Williamson, M.D. and Marco Pahor, M.D., M.P.H.

Co-Investigator: Leon Lenchik, M.D.

The major goal of this project is to evaluate the effect of exercise with and without ACE inhibition on body composition measured with DXA of the total body and with CT of the thighs.

Agency: Merck & Co. 2000-2001

“Evaluation of Short Term Efficacy of Simvastatin Treatment to Retard Progression of Coronary Calcification” (CATZ)

Principal Investigator: John Robin Crouse III, M.D.

Collaborator: Leon Lenchik, M.D.

The major goals of this project are to evaluate Simvastatin as a means of retarding the progression of coronary calcification using a randomized placebo controlled study design. Study includes assessment of BMD at the spine using QCT and bone quality at the heel using QUS.

Wake Forest University Science Research Fund 2000-2001

“Determinants of Bone Health in Children with Asthma”

Principal Investigators: Patricia A. Nixon, Ph.D.

Co-Investigator: Leon Lenchik, M.D.

The major goal of this project is to evaluate the effect of physical activity and corticosteroids on BMD measured with DXA and bone quality measured with QUS.

National Institute of Health 2001-2005 R01 HL 69332-01

“Genetics of Bone and Vascular Calcium in Type 2 Diabetics”

Principal Investigator: John Jeffrey Carr, M.D.

Co-Investigator: Leon Lenchik, M.D.

The goals of this study are to locate and identify genes contributing to the genetic component of bone metabolism and to measure the potential relationship between measures of skeletal health and vascular calcium and subclinical cardiovascular disease (CVD) in Type 2 diabetic families.

National Institute of Health 2001-2006 R01 AG/DK20583-01

“Exercise and Regional Fat Metabolism After Menopause”

Principal Investigator: Barbara Nicklas, Ph.D.

Co-Investigator: Leon Lenchik, M.D.

The goal of this study is to determine the cellular and molecular mechanisms by which aerobic intensity affects the loss of abdominal (both subcutaneous and visceral), compared to gluteal, adipose tissue under conditions of equal energy deficit in postmenopausal women with abdominal obesity.

National Institute of Health 2005-2009 2R01 HL06060944

“Genetics of Adiposity and Glucose Homeostasis”

Principal Investigator: Lynn Wagenknecht, Ph.D.

Co-Investigator: Leon Lenchik, M.D.

This study is a competitive renewal of the IRAS Family Study. The aims are to (1) identify genes contributing to variation in glucose homeostasis and adiposity based on initial linkage signals; and (2) re-contact and examine the cohort for measurement of adipocytokines, total body fat by DXA, and behaviors. Regions of the genome will be detected that contribute to variation in these new phenotypes.

National Institute of Health 2005 – 2010 P01 HD047584

“Prenatal Events-Postnatal Consequences”

Principal Investigator: JC Rose, Ph.D.

Co-Investigator: Leon Lenchik, M.D.

The primary goal for the program project grant is to investigate the long-term effects of antenatal exposure to synthetic glucocorticoids on renal function and blood pressure postnatally. "Antenatal Steroids and

Blood Pressure in Childhood" is an observational cohort study of the association of antenatal exposure to glucocorticoids and blood pressure in the offspring, during adolescence.

National Institute of Health 2006-2011 1R01 AR052528-01

“Intensive Dietary Restriction with Exercise in Arthritis”

Principal Investigator: Steve Messier, Ph.D.

Co-Investigator: Leon Lenchik, M.D.

This study compares the effects of intensive dietary restriction-plus-exercise, exercise-only, and intensive dietary restriction-only interventions on inflammatory biomarkers, knee joint loads, mobility, and self-reported function and pain in overweight and obese adults with knee OA.

National Institute of Health 2007-2012 P30 AG21332-03

“Claude D. Pepper Older Americans Independence Center”

Principal Investigator: Steve Kritchevsky, Ph.D.

Co-Investigator: Leon Lenchik, M.D.

The major goals of this project are the developing, testing and dissemination of effective therapies for the treatment and prevention of physical disability from chronic diseases in later life.

BIBLIOGRAPHY:

Journal Articles (refereed):

1. Lenchik L, Poznanski AK, Donaldson JS, Sarwark JF. Case Report 681: MRI diagnosis of synovial hemangioma of the knee. *Skeletal Radiol* 1991; 20(5):387-389.
2. Lenchik L, Dovgan DJ, Kier R. CT of the iliopsoas compartment: value in differentiating tumor, abscess, and hematoma. *AJR Am J Roentgenol* 1994; 162(1):83-86.
3. Dovgan DJ, Lenchik L, Kaye AD. Computed tomographic evaluation of maximal diaphragmatic crural thickness. *Conn Med* 1994; 58(4):203-206.
4. Silverman CS, Lenchik L, Shimkin PM, Lipow KL. The value of MR in differentiating subligamentous from supraligamentous lumbar disc herniations. *AJNR Am J Neuroradiol* 1995; 16(3):571-579.
5. Silverstein JE, Lenchik L, Stanciu MG, Shimkin PM. MRI of intracranial subependymomas. *J Comput Assist Tomogr* 1995; 19(2):264-267.
6. Lenchik L, Kier R. Popliteal cysts on MR imaging: value as an ancillary sign of meniscal tears. *AJR Am J Roentgenol* 1996; 166(5):1232.
7. Foldes K, Lenchik L, Jaovisidha S, Clopton P, Sartoris DJ, Resnick D. Association of gastrocnemius tendon calcification with chondrocalcinosis of the knee. *Skeletal Radiol* 1996; 25(7):621-624.
8. De Maeseneer M, Jaovisidha S, Lenchik L, Witte D, Schweitzer ME, Sartoris DJ, Resnick D. Fibrolipomatous hamartoma: MR imaging findings. *Skeletal Radiol* 1997; 26(3):155-160.
9. Lenchik L, Sartoris DJ. Current concepts in osteoporosis. *AJR Am J Roentgenol* 1997; 168(4):905- 911.
10. Jacobson JA, Lenchik L, Ruhoy MK, Schweitzer ME, Resnick D. MR imaging of the infrapatellar fat pad of Hoffa. *Radiographics* 1997; 17(3):675-691.
11. Starok M, Lenchik L, Trudell D, Resnick D. Normal patellar retinaculum: MR and sonographic imaging with cadaveric correlation. *AJR Am J Roentgenol* 1997; 168(6):1493-1499.
12. De Maeseneer M, Jaovisidha S, Lenchik L, Vaughan LM, Russack V, Sartoris DJ, Resnick D. Myositis ossificans of the foot. *J Foot Ankle Surg* 1997; 36(4):290-293.
13. Lenchik L, Sartoris DJ. Orthopedic aspects of metabolic bone disease. *Orthop Clin North Am* 1998; 29(1):103-134.
14. De Maeseneer M, Jacobson JA, Jaovisidha S, Lenchik L, Ryu KN, Trudell DR, Resnick D. Elbow effusions: distribution of joint fluid with flexion and extension and imaging implications. *Invest Radiol* 1998; 33(2):117-125.
15. DeMaeseneer M, VandeWalle H, Desprechins B, Lenchik L. Subcutaneous granuloma annulare: MR imaging findings. *Skeletal Radiol* 1998; 27(4):215-217.
16. Juhng SK, Lenchik L, Won JJ. Tibial plateau erosions associated with lateral meniscal cysts. *Skeletal Radiol* 1998; 27(5):288-290.

17. De Maesenner M, Lenchik L, Starok M, Pedowitz R, Trudell D, Resnick D. Normal and abnormal medial meniscocapsular structures: MR imaging and sonography in cadavers. *AJR Am J Roentgenol* 1998; 171(4):969-976.
18. Lenchik L, Rochmis P, Sartoris DJ. Optimized interpretation and reporting of dual x-ray absorptiometry (DXA) scans. *AJR Am J Roentgenol* 1998; 171(6):1509-1519.
19. Boutin RD, Spitz DJ, Newman JS, Lenchik L, Steinbach LS. Complications in Paget disease at MR imaging. *Radiology* 1998; 209(3):641-651.
20. De Maeseneer M, Lenchik L, Everaert H, Marcelis S, Bossuyt A, Osteaux M, Beeckman P. Evaluation of lower back pain with bone scintigraphy and SPECT. *Radiographics* 1999; 19(4):901-912.
21. Lenchik L. Radiologists and bone densitometry. *J Clin Densitom* 1999; 2(2):175-177.
22. Jaovisidha S, Jacobson JA, Lenchik L, Resnick D. MR imaging of rotator cuff tears: is there a diagnostic benefit of shoulder exercise prior to imaging. *Clin Imaging* 1999; 23(4):249-253.
23. Chao D, Espeland MA, Farmer D, Register TC, Lenchik L, Applegate WB, Ettinger WH. Effect of voluntary weight loss on bone mineral density in older overweight women. *J Am Geriatr Soc* 2000; 48(7):753-759.
24. Bui-Mansfield LT, Kline M, Chew FS, Rogers LF, Lenchik L. Osteochondritis dissecans of the tibial plafond: Imaging characteristics and a review of the literature. *AJR Am J Roentgenol* 2000; 175(5):1305-1308.
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77. Wuertzer SD, Cosmello S, Kiani B, Lenchik L. MR of the Knee: Been There, Done Fat. Electronic Exhibit at the American Roentgen Ray Society 114th Annual Meeting, Sand Diego, CA, May 4-9, 2014.
78. Cosmello S, De Maeseneer M, Lenchik L, Pacholke DA, Wuertzer SD. Posteromedial Corner of the Knee on MR Imaging Made Simple. Electronic Exhibit at the American Roentgen Ray Society 114th Annual Meeting, Sand Diego, CA, May 4-9, 2014.
79. Martell B, Kiani B, Lenchik L, Pacholke DA. Clinical Significance and MR Findings of Posterolateral Corner Injuries: What's all the Hype? Electronic Exhibit at the American Roentgen Ray Society 114th Annual Meeting, Sand Diego, CA, May 4-9, 2014.
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68. Probyn L, Cheung AM, Adachi J, Lenchik L, Khan A, Bogoch E, Josse R, Lang C, Bleakney R. The Extent of Symmetry on Images of Bilateral Atypical Femoral Fractures. Plenary Poster Presentation at the American Society of Bone and Mineral Research (ASBMR), Houston, Texas, September 12-15, 2014.
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70. Howse EA, Lenchik L, Wuertzer S, Mannava S, Antunes A, Stubbs AJ. Arthroscopic Decompression of Anterior Inferior Iliac Spine: Improved Hip Range of Motion in Case-Controlled Study. Oral Presentation at the International Society for Hip Arthroscopy (ISHA) Annual Scientific Meeting, Rio de Janeiro, Brazil, October 9-11, 2014.

71. Martell B, Mannava S, Stubbs AJ, Lenchik L, Torabi M. Central and Peripheral Compartments at Hip Arthroscopy: A Primer for the Radiologist. Electronic Exhibit at the International Skeletal Society Conference, Edinburgh, Scotland, October 16-18, 2014.
72. Torabi M, Wuertzer S, Freehill M, Lenchik L. Shift in Paradigm for Evaluating Anterior Shoulder Instability: From Engaging and Non-Engaging to On-Track and Off-Track Lesions. Electronic Exhibit at the International Skeletal Society Conference, Edinburgh, Scotland, October 16-18, 2014.
73. Gupta P, Pacholke D, Lenchik L. Insufficiency Fractures of the Sacrum: Improving Diagnosis and Treatment. Electronic Exhibit at the International Skeletal Society Conference, Edinburgh, Scotland, October 16-18, 2014.
74. Wright AA, Hegedus E, Lenchik L, Kuhn K, Santiago L, Smoliga J. Diagnostic Accuracy of Various Imaging Modalities for Lower Extremity Stress Fractures: A Systematic Review. Poster presentation at the North Carolina Physical Therapy Association Fall Conference, October 2014, Greensboro, NC.
75. Martell BS, Wuertzer S, Lenchik L, Miller A. Convergence of Radiology and Orthopedics: Understanding Pelvic Ring Fractures and How to Report Them on Trauma CT Examinations. Electronic Exhibit at the 100th Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, Illinois, November 30-December 5, 2014.
76. Martell BS, Lenchik L, Wuertzer S, Torabi M. In Search of a Soft Tissue Segond: Anterolateral Ligament and its Neighbors. Oral Presentation at the 100th Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, Illinois, November 30-December 5, 2014.
77. Gavin G, Wuertzer SD, Raffield L, Howse EA, Stubbs AJ, Lenchik L. Radiographic Correlates of Arthroscopically Proven Partial Tears of the Ligamentum Teres in Patients with Femoroacetabular Impingement. Oral Presentation at the 100th Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, Illinois, November 30-December 5, 2014.
78. Gupta P, Lenchik L, Wuertzer SD. Achilles Tendon: MR Imaging Review of Anatomy and Pathology. Electronic Exhibit at the 100th Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, Illinois, November 30-December 5, 2014.
79. Gupta P, Kiani B, Lenchik L, Wuertzer SD. Injuries of Hand and Wrist Tendons on MR Imaging. Electronic Exhibit at the 100th Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, Illinois, November 30-December 5, 2014.
80. Benfield P, Wuertzer SD, Kiani B, Lenchik L. Quality Improvement in Dual X-ray Absorptiometry (DXA): Approach to Artifacts. Electronic Exhibit at the 100th Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, Illinois, November 30-December 5, 2014.
81. Athanasatos G, Yasin Y, Kiani B, Wuertzer SD, Lenchik L. Avoiding Fracture Overcalls: Tips for On-Call Residents. Electronic Exhibit at the 100th Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, Illinois, November 30-December 5, 2014.
82. Probyn L, Cheung AM, Adachi J, Lenchik L, Khan A, Bogoch E, Josse R, Lang C, Bleakney R.

Bilateral Atypical Femoral Fractures: How Much Symmetry is There on Imaging? Oral Presentation at the 100th Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, Illinois, November 30-December 5, 2014.

83. Bleakney R, Probyn L, Lenchik L, Adachi J, Khan A, Bogoch E, Lang C, Josse R, Cheung AM. Complications of Atypical Femoral Fractures: Does Fracture Morphology or Instrumentation Type Predict Hardware Failure? Oral Presentation at the 100th Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, Illinois, November 30-December 5, 2014.
84. Proctor M, Wuertzer SD, Howse EA, Stubbs AJ, Lenchik L. Variability in Hip Imaging Protocols: A Comparison of 107 Different MR Facilities. Oral Presentation at the 38th Annual Meeting of the Society of Skeletal Radiology. Scottsdale, AZ, March 8-11, 2015.
85. Gupta P, Wuertzer SD, Lenchik L. Traumatic Sacral Fractures: Three Important Fracture Categories. Electronic Exhibit at the Society of Skeletal Radiology 38th Annual Meeting. Scottsdale, AZ, March 8-11, 2015.
86. Howse EA, Lenchik L, Wuertzer S, Mannava S, Antunes A, Stubbs AJ. Arthroscopic Decompression of Anterior Inferior Iliac Spine: Improved Hip Range of Motion in Case-Controlled Study. Electronic Exhibit at the American Academy of Orthopedic Surgeons (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
87. Vyas B, Geer CP, Lenchik L, Wuertzer SD. Web-based Diagnostic Radiology Simulator to Augment Call Preparation. Poster Presentation at the Association of University Radiologists 63rd Annual Meeting. New Orleans, LA, April 14-17, 2015.
88. King W, Lenchik L, Wuertzer SD. An Approach to Bone Marrow Abnormalities on Hip MRI. Electronic Exhibit at the American Roentgen Ray Society 115th Annual Meeting, Toronto, ON, May 19-24, 2015.
89. Gupta P, Wuertzer SD, Miller AN, Lenchik L. Spinopelvic Dissociation: A Diagnosis You Cannot Afford to Miss. Electronic Exhibit at the American Roentgen Ray Society 115th Annual Meeting, Toronto, ON, May 19-24, 2015.
90. Martell BS, Tuohy C, Lenchik L, Torabi M. MRI-Arthroscopy Correlation of the Wrist: A Primer for Radiologists. Electronic Exhibit at the American Roentgen Ray Society 115th Annual Meeting, Toronto, ON, May 19-24, 2015.
91. Martell BS, Mannava S, Stubbs A, Lenchik L, Torabi M. Anatomy and Pathology of the Hip Joint: MRI-Arthroscopy Correlation. Electronic Exhibit at the American Roentgen Ray Society 115th Annual Meeting, Toronto, ON, May 19-24, 2015.
92. King W, Lenchik L, Pacholke D. Mimickers of Rotator Cuff Disease on MRI: When Looking at the Cuff Isn't Enough. Electronic Exhibit at the American Roentgen Ray Society 115th Annual Meeting, Toronto, ON, May 19-24, 2015.
93. McPherson A, Potti T, Lenchik L, Anthony E. Pediatric Fractures in Motor Vehicle Crashes: Seat Location and Seat Belt Use. Oral presentation at the American Roentgen Ray Society 115th Annual Meeting, Toronto, ON, May 19-24, 2015.
94. Anthony E, Potti T, Lenchik L, Miller A, Weaver A, McPherson A. Patient Age, Energy of the Collision, and Seat Belt Use in Pediatric Fractures. Oral presentation at the American Roentgen

Ray Society 115th Annual Meeting, Toronto, ON, May 19-24, 2015.

95. Lang C, Bleakney R, Probyn L, Lenchik L, Cheung AM. Atypical Femoral Fractures: A multimodality review of radiographic features and complications. Education exhibit at the Joint Congress on Medical Imaging and Radiation Sciences, Canadian Association of Radiologists, Montreal, Quebec, Canada, May 30, 2015.
96. Howse EA, Lenchik L, Wuertzer S, Raffield L, Holst D, Stubbs AJ. Chondromalacia Severity Index: A Novel Measure in the Prearthritic Hip. Electronic Exhibit at Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Congress, Lyon, France, June 7-11, 2015.
97. Howse EA, Mannava S, Wooster BM, Lenchik L, Stubbs AJ. Arthroscopic Decompression of Ischiofemoral Space Impingement: Improved Hip Range of Motion in Case-Controlled Study. Electronic Exhibit at International Society for Hip Arthroscopy Annual Scientific Meeting, Cambridge, England, September 23-26, 2015.
98. Lenchik L, Boutin RB. Clinical Evaluation of Sarcopenia Using DXA: Lessons Learned From Diagnosis, Prognosis, and Treatment of Osteoporosis. Electronic exhibit at the International Skeletal Society 42nd Annual Meeting. Maui, HI, September 29-October 2, 2015.
99. Gupta P, Wuertzer S, Torabi M, Lenchik L. Fragility Fractures of the Pelvic Ring: Novel Classification System. Electronic exhibit at the International Skeletal Society 42nd Annual Meeting. Maui, HI, September 29-October 2, 2015.
100. Gupta P, Wuertzer SD, Miller A, Lenchik L. Sacral Dysmorphism: What the Orthopedic Surgeon Wants to Know. Electronic exhibit at the International Skeletal Society 42nd Annual Meeting, Maui, HI, September 29-October 2, 2015.
101. Torabi M, Martell BS, Raffield L, Stubbs AJ, Lenchik L. Ischiofemoral Impingement Syndrome: Correlation of Radiographic Measurement and Magnetic Resonance Imaging Findings. Oral Presentation at the International Skeletal Society 42nd Annual Meeting. Maui, HI, September 28, 2015.
102. Torabi M, Martell BS, Raffield L, Ferguson, C, Lenchik L. Lateral Patellofemoral Compression Syndrome: Correlation of Clinical and Magnetic Resonance Imaging Findings. Oral Presentation at the International Skeletal Society 42nd Annual Meeting. Maui, HI, September 28, 2015.
103. Usoro AO, Weaver A, Wuertzer S, Stitzel J, Lenchik L, Miller AN. Older Patients Really do Break More Easily: Decreased Collision Energy in Geriatric MVC. Presented at the International Geriatric Fracture Society Annual Meeting, San Diego, CA, October 7, 2015.
104. Beavers K, Beavers D, Martin S, Marsh A, Lyles M, Lenchik L, Nicklas B. Effect of Exercise Modality during Weight Loss on Bone Mineral Density in Overweight and Obese, Older Adults. Poster presentation at The American Society of Bone and Mineral Research Annual Meeting, Seattle, WA, October 9-12, 2015.
105. Register T, Carr JJ, Lenchik L, Divers J, Russell GB, Palmer ND, Wagenknecht LE, Smith SC, Xu J, Bowden DW, Freedman BI. Bone Resorption Assessed by Serum Type I Collagen C-terminal Telopeptide (Crosslaps) is Inversely Associated with Bone Mineral Density and Change in BMD but Not with Change in Calcified Atherosclerotic Plaque in African Americans with Diabetes (AA-DHS). Poster presentation at the American Society of Bone and Mineral Research Annual Meeting, Seattle, WA, October 9-12, 2015.

106. Lenchik L, Boutin R, Bindra J, Kiani B, Bateni C, Wuertzer SD. Improving First-Year Resident Education in Musculoskeletal Imaging: Comparison of Workflow Using the Customary Chronologic Approach with the Novel Anatomy Based Approach. Oral Presentation at the 101st Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, IL, November 29-December 4, 2015.
107. Matthews G, Wuertzer SD, Torabi M, Gupta P, Beavers K, Lenchik L. Stress Fracture Diagnosis on Conventional Radiography and MRI: Variations Based on Fracture Location, Patient Age, and Time to MRI. Oral Presentation at the 101st Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, IL, November 29-December 4, 2015.
108. Martell BS, Freehill MT, Lenchik L, Kiani B, Wuertzer SD, Torabi M. Pathomechanics of Elbow in the Throwing Athlete: Clinical, Imaging, and Arthroscopic Correlation. Electronic exhibit at the 101st Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, IL, November 29-December 4, 2015.
109. Martell BS, Lenchik L, Torabi M, Kiani B, Gupta P, Miller AN. Wuertzer SD. Optimal Reporting of Acetabular Fractures on Trauma CT Examinations: What the Orthopedic Surgeon Wants to Know. Electronic exhibit at the 101st Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, IL, November 29-December 4, 2015.
110. Thotakura P, Kiani B, Torabi M, Lenchik L, Wuertzer S. Ankle Trip: A Guided Tour of Common and Uncommon Trauma Findings on Radiographs. Electronic exhibit at the 101st Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, IL, November 29-December 4, 2015.
111. Boutin RD, Bamrungchart S, Bateni C, Beavers K, Beavers D, Meehan J, Lenchik L. CT of Hip Fracture Patients: Can Muscle Size and Attenuation Predict Clinical Outcomes? Oral Presentation at the Society of Skeletal Radiology Annual Meeting, New Orleans, LA, March 12-16, 2016.
112. Gupta P, Andersen J, Lenchik L, Torabi M, Ferguson C. MRI Assessment of Tibial Tubercle Lateralization: A Comparison of Four Different Landmarks. Oral Presentation at the Society of Skeletal Radiology Annual Meeting, New Orleans, LA, March 12-16, 2016.
113. Dykes G, Torabi M, Wuertzer S, Emory C, Lenchik L. New Approach to Osteoporotic and Pathologic Fracture Fixation: Photodynamic Bone Stabilization System. Oral Presentation at the Society of Skeletal Radiology Annual Meeting, New Orleans, LA, March 12-16, 2016.
114. Vyas B, Lenchik L. Converting Months to Days: Using Clinical Informatics Infrastructure to Efficiently Evaluate 3 Years of Hip Fracture Admissions. Poster presentation at the Association of University Radiologists 64th Annual Meeting. San Diego, CA, March 29-April 1, 2016.
115. Lenchik L, Miller A, Wuertzer SD, Kiani B, Torabi M. Implementing ICD-10 in an Academic Musculoskeletal Section: Lessons Learned. Electronic exhibit at the Association of University Radiologists 64th Annual Meeting. San Diego, CA, March 29-April 1, 2016.
116. Meyer J, Thotakura P, Miller A, Lenchik L, Wuertzer SD. How to Report Tibial Plateau Fractures on CT. Exhibit at the American Roentgen Ray Society 116th Annual Meeting, Los Angeles, CA, April 17-22, 2016.
117. Roller B, Wuertzer SD, Lenchik L, Kiani B, Torabi M. Approaching Arthritis with Confidence.

Exhibit at the American Roentgen Ray Society 116th Annual Meeting, Los Angeles, CA, April 17-22, 2016.

118. Bawa P, Martell B, Wuertzer SD, Lenchik L, Torabi M. Incidental Sacral Insufficiency Fractures. Oral Presentation at the American Roentgen Ray Society 116th Annual Meeting, Los Angeles, CA, April 17-22, 2016.
119. Torabi M, Wuertzer S, Kiani B, Lenchik L. Imaging of Plantar Soft Tissue lesions of the Foot. Educational Exhibit at the International Skeletal Society 43rd Annual Meeting. Paris, France, September 6-9, 2016.
120. Howse E, Lenchik L, Torabi M, Barnes R, Stubbs A. Gender Differences in Hip Range of Motion after Arthroscopic Iliopsoas Release: A Case-Controlled Study. Scientific Exhibit at International Society of Hip Arthroscopy 8th Annual Scientific Meeting, San Francisco, CA, September 15-17, 2016.
121. Devos H, Fares AA, Shahabpour M, Lenchik L, Willekens I, De Maeseneer MO. Prevalence of CPPD of the Temporomandibular Joint (TMJ) in Patients with CPPD in Other Joints. Oral presentation at the 102nd Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, IL, November 27-December 2, 2016.
122. Roller BL, Whitworth PW, Kelsey T, Miller AN, Wuertzer SD, Lenchik L. Added Value of CT in Characterizing Lisfranc Injuries. Scientific exhibit at the 102nd Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, IL, November 27-December 2, 2016.
123. Meyer J, Roller BL, Wuertzer SD, Kiani B, Lenchik L, Miller AN, Torabi M. Fracture-Dislocations of the Hip Joint: What the Surgeon wants to Know. Educational exhibit at the 102nd Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, IL, November 27-December 2, 2016.
124. De Maeseneer MO, Lenchik L, De Mey J, Provyn S, Marcelis S, Shahabpour M. Ankle and Midfoot Ligaments Revisited: US and MRI with Anatomic Correlation. Educational exhibit at the 102nd Scientific Assembly and Annual Meeting of the Radiological Society of North America. Chicago, IL, November 27-December 2, 2016.

GRADUATE STUDENTS/RESIDENTS/FELLOWS ADVISED:

Educational portfolio available on request

COMMUNITY ACTIVITIES AND SERVICE:

1998-2000	North Carolina Osteoporosis Prevention Task Force Raleigh, North Carolina
1998-2000	Burden of Illness Subcommittee Member
1998-2000	Burden of Illness, Diagnosis, Treatment and Reimbursement Committee Member
2009-2016	Piedmont Opera Board of Directors
2015-2016	Leadership Winston-Salem

2016-present

Piedmont Wind Symphony Board of Directors

2016-present

The Peace Cafe Board of Directors