

# ***Nancy M. Major, MD***

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267-254-5412

## ***Education***

8/1983- B.S. SUNY Stony Brook: Biochemistry, Valedictorian, Junior & Senior Student of the Year  
5/1988 M.D. Tufts University

## ***Post-Graduate Training***

7/1988-6/1989 Internship, Letterman Army Medical Center San Francisco, California  
7/1989-6/1990 Resident, Obstetrics and Gynecology, Oak Knoll Naval Hospital Oakland, California  
7/1990-6/1991 Resident, Radiology, Oak Knoll Naval Hospital Oakland, California  
7/1991-6/1995 Resident, Radiology, University California of San Francisco  
7/1996-6/1997 Fellowship, Musculoskeletal Imaging, Duke University Medical Center

## ***Military Service***

3/1984-10/1991 **Captain U.S. Army**  
Transitional Internship, Letterman Army Medical Center, Resident in Diagnostic Radiology, Naval Hospital

## ***Faculty Appointments***

### **Duke University Medical Center**

7/1997-4/2002 Assistant Professor of Radiology  
1997-2006 Assistant Professor of Biology, Anthropology and Anatomy  
1997-2009 Assistant Professor of Orthopaedics  
2001-2004 Assistant Professor of Surgery  
5/2002-2008 Associate Professor of Radiology  
2004-2009 Associate Professor of Surgery  
2005-2009 Associate Professor of Biological Anthropology and Anatomy  
4/2006-2009 Associate Professor of Radiology (Tenure)

### **University of Pennsylvania School of Medicine**

7/2009-6/2011 Professor of Radiology at the Hospital of the University of Pennsylvania  
7/2009-6/2011 Professor of Orthopaedic Surgery (Secondary)

## ***Private Practice***

6/1995-6/1996 Locum Tenens, Fresno Community Hospital and Saint Agnes Medical Center, Fresno, California  
7/1996-6/1997 Fellow, Musculoskeletal Radiology, Duke University Medical Center  
7/2011-6/2013 Director of Imaging, Orthopaedic Associates of Allentown, Allentown, PA

7/2014- present	Consulting Major Medical Productions, LLC
3/2014-present	Mainline Diagnostic Imaging, Bryn Mawr,PA

### ***Hospital and/or Administrative Appointments***

7/1999-6/2007	Director, 4 <sup>th</sup> year Medical Student Radiology Clerkship, Duke Medical Center
7/2004-6/2007	Director, 2 <sup>nd</sup> Year Medical Student Intercessions and Selectives, Duke Medical Center
7/2004-6/2009	Coordinator, 1 <sup>st</sup> Year Medical Student Radiographic Anatomy Instruction, Duke Medical Center

### ***Board Certifications***

6/1995	American Board of Radiology
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### ***Licensure***

1988	North Carolina Medical Licensure (inactive)
2009	Pennsylvania State Board of Medicine
2014	New York State Medical License
2014	Florida Medical License
2014	Delaware Medical License

### ***Awards and Honors***

1989	President Award for Physical Fitness
1999-2000	Thomas D. Kinney Award for Outstanding Teacher for Duke University Medical School- Selected by Fourth Year Medical School Class 1999-2000
1999-2000	Excellence in Teaching Award, awarded by Davison Society for Duke University Medical School
2000	Reed Rice Jr. Faculty Teaching Award
2001, 2003 & 2007	American Board of Radiology-Examiner
2001, 2003 & 2007	Examiner, American Board of Radiology
2002-2003	Honored Member Strathmore "Who's Who"
2003	Thomas D. Kinney Award for Outstanding Teacher for Duke University Medical School- Selected by Fourth Year Medical School Class
2005, 2008	"Hooder" at Hippocratic Oath ceremony, Duke University Medical School, Selected by graduating class as Faculty Member with Greatest Influence on Students
2008-2009	Honored Member Cambridge "Who's Who"
2011-Present	Best Doctors in America 2011-2012
2011	Education Exhibit " LL-MKE2197: Synovial Sarcoma in Children and Young Adults: A Wolf in Sheep's Clothing" 97 <sup>th</sup> Scientific Assembly an Annual Meeting of the Radiological Society of North America

### ***Professional Society Memberships***

**International**

1996-Present	American Roentgen Ray Society (Member)
1996-Present	Radiological Society of North America (Member)
2000-2008	Association of University Radiologists (Member)
2001-Present	International Skeletal Society (Member)
2007-Present	American Orthopaedic Society of Sports Medicine (Member)
2012	American Association of Hip and Knee Surgeons (Associate Member)

***Professional Society Memberships (cont)*****National**

1997-Present	Society of Skeletal Radiology (Member)
2001-2008	Association of medical Student Educators in Radiology (Member)
2001-Present	Faculty Advisor for American Association of Medical Colleges (AAMC) (Member, Faculty Advisor)
2003-Present	Society of Computed Body Tomography and Magnetic Resonance (Member)
2004-Present	Piedmont Orthopaedic Society (Member)
2001-2009	Duke Office of Continuing Medical education Advisory Board (DOCME) (Member of Advisory Board)
2001-Present	Engel Society (Member)

***Editorial Positions***

2001-Present	Reviewer for Scientific Exhibits for the American Roentgen Ray Society (ARRA)
2001	Reviewer, Skeletal Radiology
2002-2003	Reviewer for Scientific Exhibits for the Radiological Society of North America (RSNA)
2005-2006	Assistant Editor, Skeletal Radiology
2005	Reviewer, Arthritis & Rheumatism
2006-Present	Reviewer, American Journal of Radiology
2006-2008	Editor, Skeletal Radiology
2007- Present	Reviewer, American Journal Sports Medicine
2008- Present	Assistant Editor, Journal Shoulder and Elbow
2008- Present	Reviewer, British Journal Sports Medicine

***Academic and Institutional Committees***

2004-2009	Consultant, Medical School Curriculum Committee (Diagnostics and Therapeutics)
2004-2009	Chair, Promotions Committee for Medical Student Education Member, Assessment Subcommittee, Duke University, School of Medicine
2004-2008	Member, Assessment Subcommittee, Duke University, School of Medicine

2004-Present	Member, Medical School Curriculum Committee (Diagnostics and Therapeutics)
2006-2008	Member, Open Access Curriculum Subcommittee, Duke University, School of Medicine
2006-2008	Member, Society of Skeletal Radiology Subcommittee, Duke University, School of Medicine
2008-Present	Consultant, Medical Advisory Board for the National Wrestling Coaches Association

### ***Major Academic and Clinical Teaching Responsibilities***

7/1997-6/2009	Daily Instruction of Residents, Fellows and Medical Students in Musculoskeletal Radiology
7/1999-6/2009	Director, Medical Students Radiology education fourth year medical students serving as Instructor and Mentor
7/1999-6/2009	Radiology Coordinator for allied Health Programs at Duke University Medical Center
7/1999-6/2008	Director, fourth year Medical Student Radiology Clerkship
7/2004-6/2009	Instructor, first year Medical Student Radiology Clerkship
8/2004-5/2009	Instructor, Undergraduate Course-Radiology and Pathophysiology of Sports Related Injuries at Duke University
8/2004-5/2009	Coordinator, first year Medical Student Radiographic Anatomy Instruction
8/2004-5/2009	Director, second year Medical Student Intercessions and Selectives
2009-2013	Mentoring postdoctoral fellows in MSK Radiology
2009-2013	Supervision and teaching of other residents from other departments, e.g., Ortho, PM&R and Podiatry
2009-2013	Supervision of PGY-2,3,4 & 5 Radiology residents and fellows on MSK rotation in conventional radiographic CT and MRI
2010	HTBAR Course for University of Pennsylvania Residents. "How to be an Academic Radiologist" and "Mentoring for MSK Research Projects"
2010-2013	Supervision and teaching of other residents from other departments as well as from outside organizations, e.g., Ortho, PM&R, Podiatry and Duke University

### ***Lectures by Invitation***

July 2006	"Pelvic Instability", AOSSM, Hershey, Pennsylvania.
April 2007	"Elbow and Hip Injuries", Pediatric Radiology Society. Miami, Florida
August 2007	"Knee, MRI and Metabolic Bone Disease", Japanese Radiology Society. Akita, Japan.
October 2007	"Wrist and Elbow MRI", Eastern Canadian Radiologic Society. Nova Scotia, Canada.
May 2008	"Hip MR", Greater Kansas City Radiologic Society, Kansas City, Missouri.

October 2008	“Shoulder Mimickers”, Annual John Feagin Leadership Symposium.
January 2009	“MRI of the knee ligaments, hip, elbow and soft tissue tumors” Atlantis, Bahamas Duke Radiology
February 2009	“Current Techniques in MR Imaging Siemens” Ehrlangen, Germany
March 2009	“Resident cases, grand round MR imaging of the elbow University of Louisville
October 2009	“MSK Imaging of the Hip, Knee, Menisci and Ligaments”, Sports Injuries of the Shoulder, Rotator Cuff, Labrum”, “MRI of the Elbow”. MRI/CT Update Postgraduate Course.
October 2009	“Utility of MRI of the Hip for Negative X-Ray”. University of Pennsylvania. Philadelphia, PA.
October 2009	“MRI of the Elbow”. IICME. New York
February 2010	“MRI of the Knee, Shoulder and Hip” Radiological Society of New Jersey. Parsippany, NJ
March 2010	“Rotator Cuff: IICME, Naples, Florida” Mixing Sun, Sand and Knowledge
April 2010	“Benign Lytic Lesions of the Bone”. Temple University. Philadelphia, PA
June 2010	“Knee MR: What the Clinician Wants to Know”; Utility of MRI with Negative Plain Film”; The Elbow: An Exciting and Easy Joint to Interpret”. The Body Human: What’s Important in Body Imaging. University of Pennsylvania. Chatham, MA
Sept 2010	“Swelling About the Ankle: Beyond Trauma (Tumors, Inflammatory Disease). International Skeletal Society MSK Imaging Update. Athens, Greece
Sept 2010	“MR Evaluation of the Elbow”, “MR Evaluation of the Shoulder”. Pennsylvania Hospital. Philadelphia, PA.
October 2010	“Knee ligaments and tendons, knee meniscus and cartilage, MR of the hip: recent innovations, MRI of foot and Ankle: What the Radiologist needs to know, MRI of the elbow: Easily learned anatomy and pathology, MRI wrist made easy”; University of Pennsylvania. Las Vegas, Nevada.
Nov 2010	“MRI of the Wrist”, South Jersey Health MSK Imaging Conference. Cumberland College. Vineland, NJ
March 2011	“Foot & Ankle MRI”, Community Radiology Radnor CME Lecture, Penn Medicine at Valley Forge.
April 2011	Grand Rounds, Columbia University, New York
May 2011	“Radiological Features of Benign Bone Lesions”, Temple University, Philadelphia, PA.
May 2011	“Adult Sports Injury Patterns”, ARRS, Chicago, IL
October 2012	ISS Rome, Italy “Tendon and muscle injuries”
October 2012	ISS Rome, Italy “AVN of the wrist”
April 2013	ISMRRM, Salt Lake City, “Pitfalls of the knee”
April 2013	Downstate Medical Center, Brooklyn, NY “Grand Rounds, Visiting Professor and Resident Board review”
October 2013	ISS Philadelphia, PA “Pediatrics Sports Injuries-Lower Extremities”; Sports Injuries-Track & Field; Program Committee Member for ISS 2014
	IAME Las Vegas, NV: “Pitfalls of the Shoulder”; “Pitfalls of the Meniscus”

**Organizing Roles in Scientific Meetings**

- 1999 Co-Moderator at the RSNA Scientific session on Elbow, Hand and Wrist, RSNA
- Dec 2009 Presiding Officer. RSNA Scientific Assembly.  
Chicago, Illinois
- October 2013 ISS 2014 Program Committee Member

**Bibliography****Research Publications, peer reviewed (print or other media):**

1. Helms, C A. Major, N M.: Rapid triple-compartment wrist arthrography with diluted contrast medium. Canadian Association of Radiologists Journal 44(3): 227-9, June 1993
2. Major, N M. Helms, C A. Genant, H K.: Calcification demonstrated as high signal intensity on T1-weighted MR images of the disks of the lumbar spine. Radiology 189(2): 494-6, November 1993.
3. Helms, C A. Major, N M.: Proper protocols key to CT of lumbar spine. Diagnostic Imaging 16(11): 118-21, November 1994.
4. Major, N M. Helms, C A.: Absence or interruption of the supra-acetabular line: a subtle plain film indicator of hip pathology. Skeletal Radiology 25(6): 525-9, August 1996.
5. Major, N M. Helms, C A.: Idiopathic transient osteoporosis of the hip. Arthritis & Rheumatism 40(6): 1178-9, June 1997
6. Major, N M. Helms, C A.: Pelvic stress injuries: the relationship between osteitis pubis (symphysis pubis stress injury) and sacroiliac abnormalities in athletes. Skeletal Radiology 26(12): 711-7, December 1997.
7. Schraner, A B. Major, N M.: MR imaging of the subcoracoid bursa. AJR. American Journal of Roentgenology 172(6): 1567-71, June 1999.
8. Major, N M. Helms, C A. Richardson, W J.: MR imaging of fibrocartilaginous masses arising on the margins of spondylolysis defects. AJR. American Journal of Roentgenology 28(11): 673-6, September 1999.
9. Major, N M: MR Imaging After therapeutic injection of the subacromial bursa. Skeletal Radiology 28(11): 27-40, Jan-Feb 2000.
10. Major, N M: Magnetic resonance imaging of the elbow. Current Problems in Diagnostic Radiology 29(1): 27-40, Jan-Feb 2000.
11. Major, N M: MRI a standout for evaluation of abused knee joints. Diagnostic Imaging 22(1): 49-53, Jan 2000
12. Major, N M. Helms, C A.: Sacral stress fractures in long-distance runners. AJR. American Journal of Roentgenology 174(3): 727-9, Mar 2000
13. Major, N M. Helms, C A. Fritz, R C. Speer, K P.: The MR imaging appearance of longitudinal split tears of the peroneus brevis tendon. Foot & Ankle International 21(6): 541-9, Jun 2000.

14. Major, N M. Helms, C A. Richardson, W J.: The "mini brain": plasmacytoma in a vertebral body on MR imaging. AJR. American Journal of Roentgenology 175(1): 261-3, Jul 2000
15. Nonsell, S. Pearsall, A W 4<sup>th</sup>. Heitman, R J. Helms, C A. Major, N M. Speer, K P.: The relationship of age, gender, and degenerative changes observed on radiographs of the shoulder in asymptomatic individuals. Journal of Bone & Joint Surgery- British Volume 85(8): 1135-9, Nov 2000.
16. Brodwater, B K. Major, N M. Goldner, R D. Layfield, L J.: Macrodystrophia lipomatosa with associated fibrolipomatous hamartoma of the median nerve. Pediatric Surgery International 16 (3): 216-8, 2000.
17. Major, N M.: Imaging of the subcoracoid bursa. AJR. American Journal of Roentgenology 176(3): 812-3, Mar 2001.
18. Cothran, R L Jr. Major, N M. Helms, C A. Higgins, L D.: MR imaging of meniscal contusion in the knee. AJR. American Journal of Roentgenology 177(5): 1189-92, Nov 2001.
19. Dorsay, T A. Major, N M. Helms, C A.: Cost-effectiveness of immediate MR imaging versus traditional follow-up for revealing radiographically occult scaphoid fractures. AJR. American Journal of Roentgenology 177(6): 1257-63, Dec 2001.
20. Major, Nancy M. Crawford, Steven T.: Elbow effusions in trauma in adults and children: is there an occult fracture? AJR. American Journal of Roentgenology 178(2): 413-8, Feb 2002.
21. Weaver, Carolyn J. Major, Nancy M. Garrett, William E. Urbaniak, James E.: Femoral head osteochondral lesions in painful hips of athletes: MR imaging findings. AJR. American Journal of Roentgenology 178(4): 973-7, Apr 2002.
22. Speciale, Alex C. Pietrobon, Ricardo. Urban, Chris W. Richardson, William J. Helms, Clyde A. Major, Nancy. Enterline David. Hey, Lloyd. Haglund, Michael. Turner, Dennis A.: Observer variability in assessing lumbar spinal stenosis severity on magnetic resonance imaging and its relation to cross-sectional spinal canal area. Spine 27(10): 1082-6, May 2002.
23. Dodd, Leslie G. Major, Nancy M.: Fine-Needle aspiration cytology of articular and periarticular lesions. Cancer 96(3): 157-65, June 2002.
24. Major, Nancy M. Helms, Clyde A.: MR imaging of the knee: findings in asymptomatic collegiate basketball players. AJR. American Journal of Roentgenology 179(3): 641-4, Sep 2002.
25. Major, Nancy M. Beard, L Neal Jr. Helms, Clyde A.: Accuracy of MR imaging of the knee in adolescents. AJR. American Journal of Roentgenology 180(1): 17-9, Jan 2003.
26. Major, Nancy M. Banks, Matthew C.: MR imaging of complications of loose surgical tacks in the shoulder. AJR. American Journal of Roentgenology 180(2): 377-80, Feb 2003.
27. Cothran, R Lee. McGuire, Philip M. Helms, Clyde A. Major, Nancy M. Attarian, David E.: MR imaging of infrapatellar plica injury. AJR. American Journal of Roentgenology 180(5): 1443-7, May 2003.
28. Vinson, Emily N. Major, Nancy M.: MR imaging of ankylosing spondylitis. Seminars in Musculoskeletal Radiology 7(2): 103-13, Jun 2003.
29. Trembath, Dimitri G. Dash, Rajesh. Major, Nancy M. Dodd, Leslie G.: Cytopathology of mesenchymal chondrosarcomas: a report and comparison of four patients. Cancer 99(4): 211-6, Aug 25 2003.
30. Miller, Christine. Major, Nancy. Toth, Alison.: Pelvic stress injuries in the athlete: management and prevention. Sports Medicine 33(13): 1003-12, 2003.
31. Manvell, Ruth. Gough, Dick. Major, Nancy. Fouchier, Ron A M.: Mortality in budgerigars associated with a reovirus-like agent. Veterinary Record 154(17): 539-40, Apr 24 2004.
32. Dodd, Leslie G. Major, Nancy. Brigman: Malignant giant cell tumor of soft parts. Skeletal Radiology 33(5): 295-9, May 2004

33. Jackson, Shari M. Major, Nancy M.: Pathologic conditions mimicking osteonecrosis. Orthopedic Clinics of North America 35(3): 315-20, ix, Jul 2004.
34. Barnes, Christopher J. Higgins, Laurence D. Major, Nancy M. Basamania, Carl J.: Magnetic resonance imaging of the coracoclavicular ligaments: its role in defining pathoanatomy at the acromioclavicular joint. Journal of Surgical Orthopaedic Advances 13(2): 69-75, 2004.
35. Bikkina, Ravi S. Tujo, Charles A. Schraner, Albert B. Major, Nancy M.: The "floating" meniscus: MRI in knee trauma and implications for surgery. AJR. American Journal of Roentgenology 184(1): 200-4, Jan 2005.
36. Lindauer, Kelly R. Major, Nancy M. Rougier-Chapman, Duncan P. Helms, Clyde A.: MR imaging appearance of 180-360 degrees labral tears of the shoulder. Skeletal Radiology 34(2): 74-9, Feb 2005.
37. Coonrad, Ralph W. Roush, Thomas F. Major, Nancy M. Basamania, Carl J.: The drop sign, a radiographic warning sign of elbow instability. Journal of Shoulder & Elbow Surgery 14(3): 312-7, May-Jun 2005.
38. Blackmon, Garyun B. Major, Nancy M. Helms, Clyde A.: Comparison of fast spin-echo versus conventional spin-echo MRI for evaluating meniscal tears. AJR. American Journal of Roentgenology 184(6): 1740-3, Jun 2005
39. Toomayan, Glenn A. Robertson, Fabienne. Major, Nancy M.: Lower extremity compartmental anatomy: clinical relevance to radiologists. Skeletal Radiology 34(6): 307-13, Jun 2005.
40. Giaroli, Eddie L. Major, Nancy H. Higgins, Laurence D.: MRI of internal impingement of the shoulder. AJR. American Journal of Roentgenology 185(4): 925-9, October 2005.
41. Giaroli, Eddie L. Major, Nancy M. Lemley, Doug E. Lee, John.: Coracohumeral interval imaging in subcoracoid impingement syndrome on MRI. AJR. American Journal of Roentgenology 186(1): 242-6, Jan 2006.
42. Major, Nancy M.: Role of MRI in prevention of metatarsal stress fractures in collegiate basketball players. AJR. American Journal of Roentgenology 186(1): 255-8, Jan 2006.
43. Sundberg, Thorsten P. Toomayan, Glen A. Major, Nancy M.: Evaluation of the acetabular labrum at 3.0-T MR imaging compared with 1.5-T MR arthrography: Preliminary experience. Radiology 238(2): 706-11, Feb 2006
44. Toomayan, Glen A. Holman, W Russell. Major, Nancy M. Kozlowicz, Shannon M. Vail, T Parker.: Sensitivity of MR arthrography in the evaluation of acetabular labral tears. AJR. American Journal of Roentgenology 186(2): 449-53, Feb 2006.
45. Toomayan, Glen A. Robertson, Fabienne. Major, Nancy M. Brigman, Brian E.: Upper extremity compartmental anatomy: clinical relevance to radiologists. Skeletal Radiology 35(4): 195-201, Apr. 2006.
46. Fielding, Julia R. Major, Nancy M. Mullan, Brian F. Neutze, Janey A. Shaffer, Kitt. Wilcox, Claire B. Paytner, Lauren. Pisano, Etta D.: Choosing a specialty in medicine: female medical students and radiology. AJR. American Journal of Roentgenology 188(4): 897-900, Apr 2007.
47. Vinson, Emily N. Major, Nancy M. Higgins, Laurence D.: Magnetic resonance imaging findings associated with surgically proven rotator interval lesions. Skeletal Radiology 36(5): 405-10, May 2007.
48. Flemming, Donald. Davis, Kirkland W. Dinauer, Philip A. Gentili, Amilcare. Resnik, Charles S. Leach, Thomas J. Major, Nancy M. Peterson, Jeffrey J. Roach, Neil A. Sofka, Carolyn. Musculoskeletal radiology curriculum for radiology residents. Journal of the American College of Radiology 4(9): 636-9, Sep 2007
49. Vinson, Emily N. Major, Nancy M. Helms, Clyde A.: The posterolateral corner of the knee. AJR. American Journal of Roentgenology 190(2): 449-58, Feb 2008.
50. Manvar, AM. Kamareddi A. Bhalani, SM. Major, NM.: Clinical significance of intramuscular cysts in the rotator cuff and their relationship to full and partial thickness rotator cuff tears. AJR. American Journal of Roentgenology 192: 719-24, Mar 2009.



51. Simonson, S. Lott, K. Major, N M.: Magnetic resonance imaging of the elbow. Elsevier 45(3):180-193, Jul 2010.
52. Major, N M. Slattery, T.: Magnetic resonance imaging pitfalls and normal variations. Elsevier Nov 2010
53. Ott, J D. Sabesan, V. Major, N. Nunley, J.: Painful bone marrow edema syndrome of the foot and ankle. Foot and Ankle International 31(11), Nov 2010.
54. Colon, EC. Nordsletten, L. Olson, S. Major, N. Boonen, S. Haentjens, P. Mesenbrink, P. Magazner, J. Adachi, J. Lyles, K W. Hyldstrup, L. Bucci, R C. Recknor, C.: Association between timing of zoledronic acid infusion and hip fracture healing. Osteoporos Int. Dec 2010
55. Toomayan, G A. Major, N.: Utility of CT-guided biopsy of suspicious skeletal lesions in patients with known primary malignancies. AJR. American Journal of Roentgenology. Feb 2011
56. Major, N M , Ankur M Manvar, Sheetal M Bhalani, Grant E Garrigues: Distinguishing Superior Labral Tears from Normal Meniscoid Insertions with Magnetic Resonance Imaging. The Duke Orthopaedic Journal, July 2011-June 2012; 2(1): 44-49.
57. Anakwenze OA, Kancherla V, Major NM, Lee GC: Isolated sciatic nerve entrapment by ectopic bone after femoral head fracture-dislocation. Am J Orthop (Belle Mead NJ). 2013 Jun;42(6):275-8.
58. Park MJ, Garcia G, Malhotra A, Major N, Tjoumakaris FP, Kelly JD 4th. The evaluation of arthroscopic remplissage by high-resolution magnetic resonance imaging. Am J Sports Med. 2012 Oct;40(10):2331-6. Epub 2012 Aug 20.
59. Pappas N, Gay AN, Major N, Bozentka D. Case report: pseudotendon formation after a type III flexor digitorum profundus avulsion. Clin Orthop Relat Res. 2011 Aug;469(8):2385-8. doi: 10.1007/s11999-011-1906-y. Epub 2011 May 3.

#### ***Research Publications, non-peer reviewed***

1. Major, N M. Helms, C A.: Monostotic fibrous dysplasia of the hip. Perspectives in Radiology 4: 139-146, 1991.
2. Major, N M. Helms, C A.: Central and foraminal stenosis of the lumbar spine. Neuroimaging Clinics of North America 3: 557-566, 1993.
3. Major, N M. Helms, C A.: Normal variants and pitfalls in CT of the lumbar spine. Contemporary Diagnostic Radiology 16: 1-6, 1993.
4. Helms, C A. Major, N M.: CT of the lumbar spine. Diagnostic Imaging 118-121, Nov 1994
5. Major, N M. Tehranzadah J.: Musculoskeletal manifestation of AIDS. Radiologic Clinics of North America 5(35): 1167-89, May 1997.
6. Major, N M. Helms, C A.: Pelvic stress injuries: the relationship between osteitis pubis (symphysis pubis stress injury) and sacroiliac in athletes. Skeletal Radiology 26: 711-717, 1997.
7. Major, N M. Tehranzadah J.: Musculoskeletal manifestations of AIDS. Radiologic Clinics of North America 35(5): 1167-1189, 1997
8. Major, N M.: Magnetic resonance update: meniscal tears. Diagnostic Imaging Feb 1999.
9. Major, N M.: MRI of knee pain. Diagnostic Imaging Jan 2000.
10. Major, N M.: Imaging of the elbow. Current Problems in Diagnostic Radiology 29: 27-40, Jan/Feb 2000.
11. Major, N M. Pearson, J.: Musculoskeletal MRI in primary care. Patient Care 36: 16-30, June 2002.

12. Major, N M. Holman, R W.: MR imaging of the hip and pelvis: current concepts. Applied Radiology 32: 14-23, June 2003.
13. Vinson, E. Major, N M.: MR imaging of ankylosing spondylitis. Semin Musculoskeletal Radiology 7(2): 103-144, 2003.
14. The Evaluation of Arthroscopic Remplissage by High Resolution MRI: Are We Getting Our Fill? 2012 AAOS Annual Meeting,
15. The Evaluation of Arthroscopic Remplissage by High Resolution MRI: Are We Getting Our Fill? AOSSM 2012 Special Day
16. Major, N.M., Morrison, W.: MSK MRI in the 21<sup>st</sup> Century Volume 1: Upper extremity and pediatric MSK MRI. Shoulder. Topics in Magnetic Resonance Imaging. In press.
17. Major, N.M., Morrison, W., MSK MRI in the 21<sup>st</sup> Century Volume 2: Lower extremity MSK MRI. Knee. Topics in Magnetic Resonance Imaging. In press.

**Editorials, Reviews, Chapters, Including participation in committee reports**

1. Major, N M. Helms, C A.: MR imaging of the hip. Magnetic Resonance Imaging of the Body. Edited by Higgins, Hricak and Helms (eds.). Lippincott-Raven Press, New Your, NY 3<sup>rd</sup> edition: 1087, 2000.
2. Major, N M.: MRI videodisc of musculoskeletal imaging. Medical Interactive. Director, Dave Lamel (eds.). 2000 Notes: 30 cases for Medical Interactive.
3. Major, N M.: Imaging of Sports Injuries. Textbook of Sports Medicine. William E. Garrett, MD, PHD (eds.). Williams and Wilkins, Media, PA, 2000.
4. Rogers, L F. Helms, C A. Major, N M.: Knee and shafts of the tibia and fibula. In Skeletal Trauma. Lee F. Rogers (eds.). Saunders, Philadelphia, PA, 3<sup>rd</sup> edition, 2003.
5. Major, N M.: Basic principles of musculoskeletal imaging. In MRI for Technologists. Module 5: Body and Musculoskeletal Applications of MRI. Eileen M. Bailey, Editor (eds.). International Center for Postgraduate Medical Education, Ithaca, NY, 2004.
6. Major, N M.: Imaging strategies for the shoulder. Academic Radiology. 12:920-921, 2005 Notes: Book review.
7. Major, N M.: CT in musculoskeletal Trauma. In Fundamentals of Body CT. Webb, W R. Brant, W E. Major, N M. Editors (eds.). Saunders/Elsevier, Philadelphia, PA 3<sup>rd</sup> Edition: Chapters 19-21, 2006.
8. Major, NM, Morrison, W. Topics in MRI. Issue 1 MSK MRI in the 21<sup>st</sup> Century Volume 1: Upper extremity and pediatric MSK MRI, Wolterskluwer. In press.
9. Major, NM, Morrison, W. Topics in MRI Issue 1 MSK MRI in the 21<sup>st</sup> Century Volume 1: Lower extremity and pediatric MSK MRI, Wolterskluwer. In press.

**Books**

1. Webb, W R. Brant, W E. Major, N M. Editors: Fundamentals of Body CT, 4th Edition. Saunders/Elsevier , August 2014
2. Major, N M. Helms, C A.: Practical MRI of the Foot and Ankle. Informa Health Care Alison R. Spouge and Thomas L. Pope (Eds.). CRC Press LLC, Boca Raton, FL, 2000.
3. Dussault, R. Helms, C A. Anderson, M W. Major, N M.: Musculoskeletal MRI, 2<sup>nd</sup> Edition W.B. Saunders Philadelphia, PA 2001.
4. Helms, C A. Major, N M. Anderson, M W. Kaplan, P A. Dussault, R.: Musculoskeletal MRI, 2<sup>nd</sup> Edition W.B. Saunders Page: Chapter 1-16, 2001.
5. Pitman, A G. Major, N M. Tello, R.: Core Review of Imaging. Harcourt Health Sciences, United Kingdom, 2002.
6. Major, N M.: MR Review of Musculoskeletal Application Berlex 2003.

7. Major, N M.: Practical Approach to Radiology Saunders/Elsevier. 2006.
8. Webb, W R. Brant, W E. Major, N M. Editors: Fundamentals of Body CT, 3<sup>rd</sup> Edition. Saunders/Elsevier 2006
9. Helms, C Major, N M. Anderson, M. Kaplan P. Dussault, R.: Musculoskeletal MRI. Elsevier. November 2008.
10. Bytowski, J R. Moorman, C T.: Oxford American Handbook of Sports Medicine. Elsevier. March 2010.
11. Major, N M. Malinzak, M D.: Netter's Correlative Imaging MSK Anatomy. Saunders/Elsevier. February 2011.

### **Alternative Media**

1. Major, NM: Low Back Pain. Magnetic Resonance Update. Adtech Communications, Inc. 1119 So. Mission Rd., #357Fallbrook, California 92028 2000 Not4es: Online peer-reviewed newsletter that is authored by leading radiologists and professors, detailing practice-relevant uses of MRI.  
<http://www.mrupdate.com/topics.html>.
2. Major, NM: Sports Related Injuries. Magnetic Resonance Update. Adtech Communications, Inc. 1119 So. Mission Rd., #357Fallbrook, California 92028 2000 Not4es: Online peer-reviewed newsletter that is authored by leading radiologists and professors, detailing practice-relevant uses of MRI.  
<http://www.mrupdate.com/topics.html>.
3. Major, NM: Impingement and Rotator Cuff. Magnetic Resonance Update. Adtech Communications, Inc. 1119 So. Mission Rd., #357Fallbrook, California 92028 2000 Not4es: Online peer-reviewed newsletter that is authored by leading radiologists and professors, detailing practice-relevant uses of MRI.  
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