

Curriculum Vitae
GLENN A. TUNG, MD, FACR

BUSINESS INFORMATION

Address Rhode Island Hospital
 Ambulatory Patient Center
 593 Eddy Street
 Providence, RI 02903

Electronic Mail Glenn_Tung@Brown.edu

EDUCATION

College Yale University; New Haven, Connecticut
 Bachelor of Arts, 1978 (Cum Laude)

Medical School Washington University School of Medicine; St. Louis, Missouri
 Doctorate of Medicine, 21 May 1982
 Alpha Omega Alpha, 1981

POSTGRADUATE TRAINING

Intern Internal Medicine, 1982-1983
 Brigham and Women's Hospital; Boston, Massachusetts

Resident Internal Medicine, 1983-1985
 Brigham and Women's Hospital; Boston, Massachusetts

Resident Diagnostic Radiology, 1985-1988
 Massachusetts General Hospital; Boston, Massachusetts

Fellow Abdominal Imaging and Interventional Radiology, 1988-1989
 Massachusetts General Hospital; Boston, Massachusetts

ACADEMIC APPOINTMENTS

Professor of Diagnostic Imaging, Brown University, 2004- present
Associate Professor of Diagnostic Imaging, Brown University, 1996-2004
Clinical Assistant Professor, Brown University, 1991-1995
Instructor in Radiology, Harvard University, 1989-1991

WARREN ALPERT MEDICAL SCHOOL of BROWN UNIVERSITY

Associate Dean for Clinical Affairs, 2009-2017
 Major role in aligning missions of Alpert Medical School and healthcare systems
 Oversee leadership (Clinical Department Chair) recruitment and review

Assistant Dean for Continuing Medical Education, 2009-2017

POSTGRADUATE HONORS AND AWARDS

Dean's Teaching Excellence Award, Brown University, 2002; 2003; 2004; 2005; 2007; 2008; 2009; 2012; 2015; 2017.
Dean's Certificate of Recognition, Brown University, 2010; 2011; 2013; 2014; 2016.

Fellow, American College of Radiology (FACR), 2002.

Faculty Teaching Award, Department of Diagnostic Imaging, Rhode Island Hospital, 1998.

Picker Faculty Development Scholar, Association of University Radiologists, 1994.

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

Certificate of Added Qualification in Neuroradiology, American Board of Radiology, 1996-2006; 2006-2016; 2016-2026

Diplomate (Diagnostic Radiology), American Board of Radiology, 1989-present

Diplomate, American Board of Internal Medicine (No. 101142), 1985-present

Diplomate, National Board of Medical Examiners (No. 258854), 1983-present

Rhode Island Physician License Registration (No. 07914), 1991-present

Massachusetts Physician License Registration (No. 52676), 1985-2014

HOSPITAL APPOINTMENTS

Radiologist, Rhode Island Hospital; Providence, Rhode Island, 1991-

Radiologist, Women and Infants' Hospital; Providence Rhode Island, 1991-

Radiologist, The Miriam Hospital; Providence, Rhode Island, 1998-

Assistant in Radiology, Massachusetts General Hospital; Boston, Massachusetts, 1989-1991

Division of Genitourinary Radiology, 1989-1991

OTHER APPOINTMENTS

Search Committee, State Medical Examiner, 2011

Rhode Island Health Care Reform Commission, 2011

Chief, Division of Imaging Research

Department of Diagnostic Imaging; Brown Medical School, 1998-

Chairman, Committee on Academic Promotions

Department of Diagnostic Imaging, Brown Medical School, 1996-2012.

Director, Residency Training Program

Department of Diagnostic Imaging; Rhode Island Hospital, 1994-1996.

Director, Fellowship Training Program (Cross-sectional Imaging)

Department of Diagnostic Imaging; Rhode Island Hospital, 1993-1995.

UNIVERSITY ROLES

Associate Dean for Clinical Affairs, 2009-2017

Affiliation Committee, Care New England health system

Affiliation Committee, Lifespan health system

Council of Biomedical Chairs (Biomed Faculty Council)

Council of Clinical Chairs

Brown Office of Continuing Medical Education

Brown University Oncology research Group

Decanal designee to University Medicine Foundation

Decanal designee to University Emergency Medicine Foundation

Decanal designee to Medical Faculty Executive Committee

Decanal designee to Clinical Faculty Advisory Committee

Decanal designee to Providence Veterans Administration Hospital

Search Committees for Department Chairs

Chair, Department of Neurosurgery, 2009

Chair, Department of Medicine, 2010

Vice-Chair, Department of Pathology, 2010
Chair, Department of Neurology, 2011
Chair, Department of Psychiatry & Human Behavior, 2011
Chair, Department of Obstetrics and Gynecology, 2012
Chair, Department of Dermatology, 2012
Chair, Department of Pediatrics 2014
Chair, Department of Neurosurgery 2014
Chair, Department of Orthopaedic Surgery 2016
Chair, Department of Pathology and Laboratory Medicine 2016

Medical Committee on Academic Standing, 2007-2012
Brown University MR Imaging Research Facility Executive Committee, 2008.
Committee on Academic Standing, Alpert Medical School of Brown University, 2007-present.
Committee on Medical Faculty Affairs Task Force, Alpert Medical School of Brown University, 2007.
Teaching Excellence Working Group, Alpert Medical School of Brown University, 2006-2008.
Faculty Mentoring Working Group, Brown Medical School, 2004.
Liaison Committee Medical Education, Self-Study Committee, Brown Medical School, 2003-2004.
Teaching Scholar Task Force Committee, Brown Medical School, 2003-2004.
Strategic Planning Committee for Education and Research, Brown Medical School, 1999-2000.
Chairman, Subcommittee on Faculty Development.
Graduate Medical Education Committee; Brown Medical School, 1996-1999.
Curriculum Committee; Brown Medical School, 1994-1997.
Subcommittee on Core Course Curriculum.

NATIONAL COMMITTEES

Committee of Vice-Chairs of Research (Radiologic Society of North America) 2012
Council of Deans (Association of American Medical Colleges), 2012

HOSPITAL COMMITTEES

Norman Prince Neurosciences Institute, Steering and Advisory Committee, 2010-present
Lifespan Research Advisory Committee, 2010-2015
Scientific Conduct Committee (ad hoc), 2003
Chairman
Education Advisory Committee of Lifespan-Rhode Island, 1995-1998.
Committee on Graduate Medical Education; Rhode Island Hospital, 1994-1996.
Chairman, Ad Hoc Subcommittee for Internal Review of Orthopedics residency training program, May 1995.
Ad Hoc Subcommittee for External Review of the Department of Diagnostic Imaging; Department of
Diagnostic Imaging, Rhode Island Hospital, October 1994.
Ad Hoc Search Committee: Shoulder/Elbow Surgeon; Department of Orthopedic Surgery, Rhode Island Hospital,
November 1993.
Education Committee, Department of Diagnostic Imaging, Rhode Island Hospital, 1991-1998.
Infection Control Committee; Department of Radiology, Massachusetts General Hospital, 1989-1991.

JOURNAL REVIEWER

American Journal of Roentgenology, 1996-2007. The American Journal of Roentgenology is one of the two premier journals devoted to medical imaging.
American Journal of Neuroradiology, 2007.

MEMBERSHIP IN SOCIETIES

1. New England Roentgen Ray Society (founded in 1916, the oldest regional radiologic society in the country educates its members and promotes fellowship through monthly scientific meetings and annual refresher courses)

President, 2002-2003;
President-elect, 2001-2002;
Secretary, 1998-2001;
Executive Committee, 1998-present
Co-Chairman, Education Committee, 1995-1996;
Education Committee, 1995-2011.
Member, 1989-present.
Lifetime Service Award, 2011.

2. Radiological Society of Rhode Island (Rhode Island chapter of the American College of Radiology)

President, 1999-2000;
Vice-President, 1998-1999;
Secretary, 1997-1998;
Treasurer, 1996-1997;
Executive Committee, 1996-2000;
Nominating Committee, 2000-2003;
Chair of the Education Committee, 1994-present;
Member, 1991-present.

3. American College of Radiology (ACR)

Alternate Councilor, 2003
Fellow, American College of Radiology (FACR), 2002
ACR Imaging Network (national cooperative group that performs multi-institutional and multidisciplinary clinical trials of diagnostic imaging and imaging-guided therapeutic technologies)
Member, MR imaging and spectroscopy committee, 1999-2001.
ACR Member, 1991-present.

4. Radiological Society of North America

Member, 1991- present.

5. Association of University Radiologists

Member, 1991-2001.

6. American Society of Neuroradiology

Member, 1999-
Junior Member, 1998-2016.
Senior Member, 2017-present.

7. Society of Skeletal Radiology

Member, 2000-present
Rules Committee, 2003-2011
Chair, Rules Committee, 2009-2011

8. Alpha Omega Alpha

Lifetime member, 1981.

9. American College of Sports Medicine
Member, 2004.

ORIGINAL PUBLICATIONS (PEER-REVIEWED)

1. Hahn PF, Girard MJ, Silverman SG, Forman B, **Tung GA**, and Mueller PR. "Drainage of a malignant common hepatic duct obstruction by a biliary endoprosthesis placed through a T-tube tract: technical note". *Gastrointestinal Radiology* 1989;14:238-240.
2. **Tung GA**, Pfister RC, Papanicolaou N, and Yoder IC. "Adrenal cysts: imaging and percutaneous aspiration". *Radiology* 1989;173:107-110.
3. Simeone JF, Brink JA, Mueller PR, Compton C, Hahn PF, Saini S, Silverman SG, **Tung GA**, and Ferrucci JT. "The sonographic diagnosis of acute gangrenous cholecystitis: importance of the Murphy sign". *AJR Am J Roentgenol* 1989;152:289-290.
4. Brink JA, Simeone JF, Mueller PR, Saini S, **Tung GA**, Spell NO, and Ferrucci JT. "Routine sonographic techniques fail to quantify gallstone size and number: a retrospective study of 111 surgically proved cases. *AJR Am J Roentgenol* 1989;153:503-6.
5. Mueller PR, Silverman SG, **Tung GA**, Brink JA, Cardenosa G, Saini S, Forman BH, and Hahn PF. "New universal precaution aspiration tray". *Radiology* 1989;173:278-279.
6. **Tung GA**, Mueller PR, Brink JA, Saini S, and Ferrucci JT. "Gallstone fragmentation by contact electrohydraulic lithotripsy: in vitro study of physical and technical factors". *Radiology* 1990;174:781-785.
7. Saini S, Mueller PR, Gaa J, Briggs SE, Hahn PF, Forman BH, **Tung GA**, et al. "Percutaneous gastrostomy with gastropexy: experience in 125 patients". *AJR Am J Roentgenol* 1990;154:1003-1006.
8. Cardenosa G, Papanicolaou N, Fung CY, **Tung GA**, Yoder IC, and Althausen AF. "Spermatic cord sarcomas: sonographic and CT features". *Urologic Radiology* 1990;12:163-167.
9. **Tung GA** and Papanicolaou N. "Pyocystis with urethral obstruction: management by percutaneous cystostomy". *Journal of the Canadian Association of Radiologists* 1990;41:350-352.
10. Lee MJ, Yoder IC, Papanicolaou N, and **Tung GA**. "Large Gartner's duct cyst associated with a solitary crossed ectopic kidney: imaging features". *J Comput Assist Tomogr* 1991;15(1):149-151.
11. **Tung GA**, Papanicolaou N, Zukerberg LR, and Yoder IC. "Diffuse stenosis of the ileum after uretero-ileal interposition: radiologic-pathologic correlation in two cases". *AJR Am J Roentgenol* 1991;157:315-317.
12. **Tung GA** and Cronan JJ. "Percutaneous needle biopsy of hepatic cavernous hemangioma". *J Clin Gastroenterol* 1993;16(2):117-122.
13. **Tung, GA** and Davis, LM. "Magnetic resonance imaging of soft tissue masses". *CDC Current Reviews in Diagnostic Imaging* 1993;34(5):239-308.

14. **Tung GA**, Davis LM, Wiggins ME, and Fadale PM. "Primary and secondary findings of anterior cruciate ligament tear on MR imaging". *Radiology* 1993;188:661-7.
15. Mungovan JA, **Tung GA**, Lambiase RE, Noto RB, and Davis RP. "Osteopoikilosis and an abnormal bone scan in an adolescent." *Clin Nuc Med* 1994;19(1):6-8.
16. **Tung GA**, Vaccaro JP, Cronan JJ, and Rogg JM. "Cavernous hemangioma of the liver: Pathologic correlation with high field MR imaging." *AJR Am J Roentgenol* 1994;162(5):1113-1118.
17. Salloway S, Malloy P, Rogg J, Kohn R, Duffy J, **Tung G**, Thomas C, Richardson E, Gillard E. "MRI and neuropsychological differences in early- and late-life onset geriatric depression". *Neurology* 1996;46:1567-1574.
18. Antonacci RA, Perkins AB, Hillstrom MM, and **Tung GA**. "Barrett's Ulcer". *Radiographics* 1996; 16(1):197-199.
19. Williams Jr. JS, Abate JA, Fadale PD, and **Tung GA**. "Meniscal and non-osseous ACL injuries in children and adolescents". *Journal of Knee Surgery* 1996; 9:22-26.
20. Snyder BJ, Abbott GF, and **Tung GA**. "Bronchiolitis obliterans with organizing pneumonitis". *Radiographics* 1996; 16; 456-458.
21. Lazarus E, Song JH, Lambiase RE, and **Tung GA**. "Synovial osteochondromatosis". *Radiographics* 1996; 16; 709-712.
22. Goldstein JH, Haas RA, and **Tung GA**. "Intraventricular neurocytoma". *Radiographics* 1996;16:971-973.
23. Ludwig DR, Murphy TP, and **Tung GA**. "Pulmonary artery sarcoma". *Radiographics* 1996;16:1231-1234.
24. Beecham RP, Rogg JM, and **Tung GA**. "Chordoma". *Radiographics* 1996, 16:1514-1516.
25. Curtis MA, **Tung GA**, Dawamneh MF. "Radiation osteonecrosis of the clavicle". *Acad Radiol* 1996;3:971-974.
26. Cahn DA, Malloy PF, Salloway S, Rogg JM, Gillard E, Kohn R, **Tung GA**, Richardson ED, Westlake R. "Subcortical hyperintensities on magnetic resonance imaging and activities of daily living in geriatric depression". *J Neuropsych Clin Neurosci* 1996;8:404-411.
27. Ott BR, Faberman RS, Noto RB, Rogg JM, Hough TJ, **Tung GA**, and Spencer PK. "A SPECT imaging study of MRI white matter hyperintensity in patients with degenerative dementia". *Demet Geriatr Cogn Disord* 1997;8:348-354.
28. Jenkins MA, Malloy PF, Salloway S, Cohen R, Gillard E, Kohn R, Rogg J, **Tung G**, Kohn R, Westlake R, Johnson EG, Richardson E. "Memory processes in depressed geriatric patients with and without subcortical hyperintensities on MR imaging". *Journal of Neuroimaging* 1998;8:20-26.
29. Dimond PD, Fadale PD, Hulstyn MJ, **Tung GA**, Greisberg J. "A comparison of MRI findings in patients with acute and chronic ACL tears. *Am J Knee Surg* 1998;11(3):153-159.
30. **Tung GA**, Davis LM, Haas RA, Rogg JM, and Gold RL. "Update in Neuroradiology and Neurointerventional Radiology". *Rhode Island Medical Journal* 1999;82(6):207-212.

31. Rogg JM, Smeaton S, Doberstein C, Goldstein JH, **Tung GA**, Haas RH. "Assessment of the value of MR imaging for examining patients with in angiographically-negative subarachnoid hemorrhage." *AJR Am J Roentgenol* 1999;172:201-206.
32. **Tung GA**, Yim JWK, Mermel LA, Philip L, Rogg JM. "Spinal epidural abscess: correlation between findings on enhanced MRI findings and clinical outcome." *Neuroradiology* 1999;41:904-909.
33. Mayo-Smith WW, Davis LM, Clements NC, Cobb CM, Smith WJ, **Tung GA**. "CT of the brain: A comparison between transportable and fixed platform scanners. *AJR Am J Roentgenol* 1999;173(6):1481-1484.
34. **Tung GA**, Entzian D, Green A, Brody JM. "High-field and low-field MR imaging of superior glenoid labral tears and associated tendon injuries." *AJR Am J Roentgenol* 2000;174(4):1107-1114.
35. **Tung GA**, Entzian D, Stern JB, Green A. "MR imaging and MR arthrography of paraglenoid labral cysts". *AJR Am J Roentgenol* 2000;174(6):1707-1715.
36. Caruso JM, **Tung GA**, Gascon GG, Rogg JM, Davis L, Brown WD. "Persistent preceding focal neurological deficits in children with chronic Epstein-Barr encephalitis". *J Child Neurol* 2000; 15:791-796.
37. Caruso JM, **Tung GA**, Brown WD. "Central nervous system and renal vasculitis associated with primary varicella infection in a child". *Pediatrics* 2001; 107(1):e9 [<http://www.pediatrics.org/cgi/content/full/107/1/e9>].
38. **Tung GA**, Yoo DC, Levine SM, Brody JM, Green A. "Subscapularis tendon tear: primary and associated signs on MR imaging". *J Computer Assist Tomogr* 2001;25(3):417-424.
39. **Tung GA**, Evangelista P, Rogg JM, Duncan , JA. "Diffusion-weighted imaging of rim-enhancing brain masses: is marked decreased water diffusion specific for brain abscess?" *AJR Am J Roentgenol* 2001; 177: 709-712.
40. **Tung GA**, Rogg JM, Noren CG, Jackson IMD. "MR imaging of pituitary adenomas after gamma knife stereotactic radiosurgery". *AJR Am J Roentgenol* 2001; 177(4):919-924.
41. Rogg JM, **Tung GA**, Anderson G, Cortez S. "Pituitary apoplexy: early detection with diffusion-weighted MR imaging". *AJNR Am J Neuroradiol* 2002;23:1240-1245.
42. Pezzullo JA, **Tung GA**, Mudigonda S, Rogg JM. "Diffusion-weighted MR imaging of Pyogenic Ventriculitis". *AJR Am J Roentgenol* 2003;180:71-75.
43. **Tung GA**, Hou DD. "MR arthrography of the posterior labrocapsular complex: Comparison of the stable and unstable shoulder", *AJR Am J Roentgenology* 2003; 180(2):369-376.
44. Hou LC, Murphy MA, **Tung GA**. "Primary orbital leiomyosarcoma: a case report with MR imaging findings". *Am J Ophthalmology* 2003;135(3): 408-410.
45. **Tung GA**, Rogg JM. "Diffusion-weighted MR imaging of Cerebritis". *AJNR Am J Neuroradiol* 2003;24: 1110-1113.
46. **Tung GA**, Julius BD, Rogg JM. "MR imaging of Intracerebral Hematoma: Value of Vasogenic Edema Ratio for Predicting Cause", *Neuroradiology* 2003;45:357-362.

47. Chong-han C, Cortez CC, and **Tung GA**. “Diffusion-weighted MRI of Cerebral Toxoplasma Abscess”, *AJR American Journal of Roentgenology* 2003;181:1711-1714.
48. Jayaraman M, Mayo-Smith WW, **Tung GA**, Rogg JM, Haas RA, Mehta NR, Doberstein CE. “Detection of Intracranial Aneurysm: Multi-Detector Row CT Angiography compared with DSA”, *Radiology* 2004;230(2):510-518.
49. **Tung GA**. “Magnetic resonance imaging of osteoarthritis”, *Medicine and Health Rhode Island* 2004;87(6):172-175.
50. Brody JM, Schafer LE, **Tung GA**, Breuer J, Shamsi, K. “Conspicuity of liver hemangiomas: short tau inversion recovery, T1-weighted and T2 imaging with gadolinium ethoxybenzyl diethylenetriaminepentaacetic acid”, *Journal of Magnetic Resonance Imaging* 2005;21:391-397.
51. Rogg JM, **Tung GA**, Noren G, et al. “Prevalence of hydrocephalus in 157 patients with vestibular schwannoma”, *Neuroradiology* 2005; 47(5):344-351.
52. Bradley MP, **Tung GA**, Green A. “Overutilization of shoulder magnetic resonance imaging as a diagnostic screening tool in patients with chronic shoulder pain”, *Journal of Shoulder and Elbow Surgery* 2005;14(3):233-7.
53. Brody JM, Lin HM, Hulstyn MJ, **Tung GA**. “Lateral meniscus root tear and meniscus extrusion with anterior cruciate ligament tear”, *Radiology* 2006;239(3):805-810.
54. **Tung GA**, Kumar M, Richardson R, Jenny C, and Brown WD. “Comparison of accidental and non-accidental traumatic head injury in children on non-contrast computed tomography”, *Pediatrics* 2006; 118(2):623-633.
55. Brody JM, Hulstyn MJ, Fleming BC, and **Tung GA**. “The meniscal roots: Gross anatomic correlation with 3T MRI Findings”. *American Journal of Roentgenology* 2007;188:1306 (0361-803X/07/1885-1306).
56. Kastoff M and **Tung GA**. “Pictorial essay: Cerebral microhemorrhages”. *American Journal of Roentgenology* 2007;189:720-725.
57. Bowers ME, **Tung GA**, Fleming BC, Crisco JJ, Rey J. “Quantification of meniscal volume by segmentation of the 3T magnetic resonance images”. *J Biomechanics* 2007;40(12):2811-5.
58. Blum A, Tremont GN, Donahue JE, **Tung GA**, Duncan III JA, Buchbinder BR, Gascon GG. “Landau-Kleffner Syndrome with lateral temporal focal cortical dysplasia and mesial temporal sclerosis: A 30-years follow-up”. *Epilepsy and Behavior* 2007;10(3):495-503.
59. Park MC, Goldman MA, Donahue JE, **Tung GA**, Goel R, Sampath P. “Endonasal ethmoidectomy and bifrontal craniotomy with craniofacial approach for resection of frontoethmoidal osteoma causing tension pneumocephalus”. <http://www.thieme-connect.com/ejournals/abstract/sbs/doi/10.1055/s-2007-993046>.
60. Aaron RK, Dyke JP, Ciombor DM, **Tung GA**. “Perfusion abnormalities in subchondral bone associated with marrow edema, osteoarthritis, and avascular necrosis”. *Ann NY Acad Sci* 2007;1117:124-37
61. Pezzullo JM, **Tung GA**, Rogg JM, Davis LM, Brody JM, Mayo-Smith WW. “Voice recognition dictation: Radiologist as transcriptionist”. *J Digital Imaging* 2007, in press.

62. Bowers ME, **Tung GA**, Trinh N, Leventhal E, Crisco JJ, Kimia B, Fleming BC. “Effects of ACL interference screws on articular cartilage volume and thickness measurements with 1.5T and 3T MRI”. *Osteoarthritis and Cartilage* 2008;16:572-8
63. Shah N and **Tung GA**. “Imaging Signs of Posterior Glenohumeral Instability”. *American Journal of Roentgenology* 2009;192:730-735
64. Xu C, **Tung GA**, and Sun S. “Size and concentration effect of gold nanoparticles on x-ray attenuation as measured on computed tomography”. *Chemistry of Materials* 2008;20(13):4167-9
65. Bowers ME, Trinh N, **Tung GA**, Crisco JJ, Kimia BB, Fleming BC. “Quantitative MR Imaging using ‘LiveWire’ to Measure Tibiofemoral Articular Cartilage Thickness.” *Osteoarthritis & Cartilage*, 2008;16(10):1167-1173
66. Chen KC, Chen JY, **Tung GA**. “Diagnosis Please Case #149: Immune Reconstitution Inflammatory Syndrome”. *Radiology* 2009;252(3):924-928
67. Murphy MA, Janigian R, Filippopoulos T, **Tung G**. “Optic neuritis and macular detachment with morning glory disc anomaly.” *J Neuro-ophthalmol*, in press.
68. Woodfield CA, **Tung GA**, Grand DJ, Pezzullo JA, Machan JT, Renzulli II JF. “Diffusion-weighted MR Imaging in Peripheral Zone Prostate Cancer: Comparison of Tumor Apparent Diffusion Coefficient with Gleason Score and Percent Tumor on Core Biopsy” *Am J Roentgenol* 2010; 194: W316-W322
<http://ajronline.org/cgi/content/full/194/4/W316>).
69. Bowers ME, **Tung GA**, Oksendahl HL, Hulstyn MJ, Fadale PD, Machan JT, Fleming BC. Quantitative Magnetic Resonance Imaging Detects Changes in Meniscal Volume *in Vivo* After Partial Meniscectomy. *Am J Sports Medicine* 2010;38(8):1631.
70. Fleming BC, Oksendahl HL, Mehan WA, Portnoy R, Fadale PD, Hulstyn MJ, Bowers ME, Machan JT, and **Tung GA**. ”Delayed Gadolinium-Enhanced MR Imaging of Cartilage following ACL Injury”, *Osteoarthritis and Cartilage* 2010;18(5):662
71. Harris TJ, Donahue JE, Shur N, and **Tung GA**. “Diagnosis Please Case #168: Rhabdoid Predisposition Syndrome”. *Radiology* 2010 257:3 888-889; doi:10.1148/radiol.10092143
72. Fleming BC, Fadale PD, Hulstyn MJ, Shalvoy RM, Oksendahl HL, Badger GJ and **Tung GA**. “The effect of initial graft tension after anterior cruciate ligament reconstruction: A randomized clinical trial with 36-month follow-up.” *Am J Sports Med* Published 9 November 2012, 10.1177/0363546512464200
<http://ajs.sagepub.com/cgi/content/abstract/0363546512464200v1>
73. Biercevicz AM, Akelman MR, Fadale PD, Hulstyn MJ, Shalvoy RM, Badger GJ, **Tung GA**, Oksendahl HL and Fleming BC. “MRI volume and signal intensity of the ACL graft predicts clinical, functional and patient-oriented outcomes measures following ACL reconstruction.” *Am J Sports Med*: published online before print December 24, 2014, doi:10.1177/0363546514561435
74. Negrete LM, Chung M, Carr SR, **Tung GA**. In utero diagnosis of caudal regression syndrome. *Radiology Case Reports*. (Online) 2015;10(1);1049 (article number)

75. Akelman MR, Fadale PD, Hulstyn MJ, Shalvoy RM, Garcia A, Chin KE, Duryea J, Badger GJ, **Tung GA** and Fleming BC. "Effect of matching or overconstraining knee laxity during ACL reconstruction on knee osteoarthritis and clinical outcomes." Published online before print April 19, 2016, doi: 10.1177/0363546516638387 *Am J Sports Med* April 19, 2016 0363546516638387

76. Tung EL, McTaggart RA, Baird GL, Yaghai S, Hemendinger M, Dibiasio EL, Hidlay DT, **Tung GA** and Jayaraman MV. "Rethinking Thrombolysis in Cerebral Infarction 2b: Which Thrombolysis in Cerebral Infarction Scales Best Define Near Complete Recanalization in the Modern Thrombectomy Era? *Stroke*. 2017;48:2488-2493

ORIGINAL PUBLICATIONS (BOOKS)

1. **Tung GA**, Zagoria RJ, and Mayo-Smith WW. *Genitourinary Radiology: Case Review*. Mosby, Inc.; St. Louis, 2000.

2. Zagoria RJ and **Tung GA**. *Genitourinary Radiology: The Requisites*. Mosby-Yearbook, Inc.; Philadelphia, 1997.

NON PEER-REVIEWED PUBLICATIONS

1. Lindemann SR, **Tung GA**, Silverman SG and Mueller PR. "Percutaneous cholecystostomy: a review of the literature". *Seminars in Interventional Radiology* 1988;5(3):179-185.

2. Lindemann SR, **Tung GA**, Silverman SG, and Mueller PR. "Chapter 32: Percutaneous Cholecystostomy; a Review", in Burhenne HJ, Paumgartner G, and Ferrucci JT (eds). *Biliary Lithotripsy II*. Year Book Medical Publishers, Chicago, 1990: pp. 175-182.

3. Yucel EK, Waltman AC, and **Tung GA**. "Ultrasound-tipped catheter views arteries from inside". *Diagnostic Imaging* 1990;12(4):108-111.

4. Krebs TL, Papanicolaou N, Yoder IC, **Tung GA**, and Pfister RC. "Antegrade pyelography and ureteral perfusion in children with urinary tract dilatation". *Seminars in Interventional Radiology* 1991;8(3):161-169.

5. Papanicolaou N, Yoder IC, Pfister RC, **Tung GA**. "Percutaneous nephrostomy in children". *Seminars in Interventional Radiology* 1991;8(3):170-178.

6. **Tung GA**, Cvitanic O. "Magnetic resonance imaging of musculoskeletal neoplasms". *Applied Radiology* 1992;21(9):63-69.

7. **Tung GA**, Papanicolaou N, Nocks BN. "Chapter 33.2: Diagnostic Studies and Techniques in the Urinary Tract", in Morris PJ and Malt RA (eds). *Oxford Textbook of Surgery (Volume II)*. Oxford University Press; Oxford, England, 1994: pp. 1541-1552.

8. Hough TJ, **Tung GA**, Terek RM. "Chapter 3: Staging" in DeSchepper AM (ed). *Imaging of Soft Tissue Tumors*. Springer-Verlag; New York, 1997: pp. 113-126.

9. **Tung GA**, Brody JM. "Contemporary imaging of athletic injuries". *Clinics in Sports Medicine* 1997;16(3):393-417.

10. Hou DD and **Tung GA**. "Radiological case of the month: Hereditary hemorrhagic telangiectasia." *Applied Radiology* 2000;29(6):34-36.

11. Shin L and **Tung GA**. "Radiological case of the month: Juvenile Angiofibroma". *Applied Radiology* 2000;29(7):32-34.
12. Alvarez A and Tung GA. "Images in Medicine: Pyogenic Ventriculitis". *Medicine and Health Rhode Island* 2008;91(9):294.
13. **Tung GA**. "Chapter 42. Imaging of Abusive Head Trauma" in Jenny C (ed). *Child Abuse and Neglect: Diagnosis, Treatment, and Evidence*. Saunders, an imprint of Elsevier, Inc.; copyright 2010.

ABSTRACTS AND BRIEF COMMUNICATIONS

1. **Tung GA**, Mueller PR, Brink JA, Saini S, Picus D, and Ferrucci JT. "Gallstone fragmentation by contact electrohydraulic lithotripsy: physical and technical factors for successful performance". Presented at the 75th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 1989.
2. Forman BF, Silverman SG, Mueller PR, Hahn PF, Papanicolaou N, **Tung GA**, Brink JA, and Ferrucci JT. "A computer-based information management system for interventional radiology". Presented at the 75th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 1989.
3. Koenker R, Mueller PR, Silverman SG, Simeone JF, Saini S, Hahn PF, **Tung GA**, Brink JA, and Ferrucci JT. "Predictive value of percutaneous adrenal biopsy: comparison of an oncologic and non-oncologic population with adrenal masses". Presented at the 75th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 1989.
4. Brink JA, Mueller PR, Simeone JF, Prien EL, Saini S, **Tung GA**, and Ferrucci JT. "Limitations of CT in the prediction of gallstone composition; in vitro study and review". Presented at the 75th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 1989.
5. Mueller PR, Silverman SG, Saini S, Hahn PF, Simeone JF, **Tung GA**, Brink JA, Cardenosa G, Androulidakas E, and Ferrucci JT. "Pneumothorax following therapeutic thoracentesis: prevalence, mechanisms, and management". Presented at the 75th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 1989.
6. **Tung GA**, Mueller PR, Brink JA, Saini S, and Ferrucci JT. "Calcified gallstones can be dissolved with methyl tertiary butyl ether: implications for the treatment of patients excluded for gallstone lithotripsy". Presented at the Society of Gastrointestinal Radiology Meeting, 1990.
7. **Tung GA**, Vaccaro JP, Sasken HF, Cronan JJ. "Cavernous hemangioma of the liver: Pathologic correlation with high-field MR imaging". Presented at the 78th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 1992.
8. Wiggins ME, **Tung GA**, and Fadale PM. "MR imaging of anterior cruciate ligament tear: primary and secondary signs". Presented at the 61st Annual Meeting of the American Academy of Orthopedic Surgery, 1993.
9. Salloway S, Malloy P, Rogg J, Duffy J, Kohn R, Thomas C, and Tung G. "Clinical significance of subcortical encephalomalacia in early and late life onset depression". Presented at the American Association of Neurology meeting, 1994.

10. Saris S, Epstein MH, Jackson I, Chang-deMoranville B, Lamore C, Wahlberg L, and **Tung GA**. "Gamma-knife radiosurgery for secreting pituitary adenomas". Presented at the Cushing Meeting of Neurosurgery, 1994.
11. Salloway S, Malloy P, Kohn R, Rogg JM, **Tung GA**, Bollivar L, and Lan J. "Subcortical disease, sertraline, and late-life depression". Presented at the Meeting of the American Association of Neurology, 1995.
12. Abate JA, Williams JS, Fadale PD, Hulstyn MJ, and **Tung GA**. "MRI compared to knee arthroscopy in pediatric patients". Presented at the 62nd Annual Meeting of the American Academy of Orthopedic Surgery, 1994.
13. Cahn D, Malloy P, Salloway S, Rogg JM, Richardson E, and **Tung GA**. "Subcortical hyperintensities on MRI and activities of daily living". Presented at the Meeting of the National Academy of Neuropsychology, 1995.
14. **Tung GA**. Reply to letter "Hyalinized liver hemangioma mimicking malignant tumor at MR imaging". *AJR Am J Roentgenol* 1995; 165: 1016-1017.
15. Palmer WP, **Tung GA**, and Dupuy DE. "Incidence of posterior glenoid labrum abnormalities and posterior instability following anterior stabilization of the shoulder". Presented at the 81st Scientific Assembly and Annual Meeting of the Radiological Society of North America, 1995.
16. Jayaraman M, Kimia B, Tek H, **Tung GA**, and Rogg JM. "Semiautomated image segmentation of primary brain tumors based on deformable bubbles." Presented at the 83rd Scientific Assembly and Annual Meeting of the Radiological Society of North America, 1997.
17. Rogg JM, Smeaton S, Doberstein C, Goldstein JH, and **Tung GA**. "MR imaging in angio-negative subarachnoid hemorrhage." Presented at the 83rd Scientific Assembly and Annual Meeting of the Radiological Society of North America, 1997.
18. **Tung GA**, Entzian D, Brody JM, Rogg JM, and Green A. "Cysts of the paraglenoid labrum: MR imaging and MR arthrography". Presented at the 83rd Scientific Assembly and Annual Meeting of the Radiological Society of North America, 1997.
19. Mayo-Smith WW, Gupta H, Ridlen MS, Brody JM, **Tung GA**, and Cronan JJ. "Utility of liver windows to detect hepatic pathology on CT". Presented at the 83rd Scientific Assembly and Annual Meeting of the Radiological Society of North America, 1997.
20. Yim JWK, **Tung GA**, Phillips L, Mermel LA. "MR imaging and CT-guided aspiration of the disc space in spinal epidural abscess (SEA): value in diagnosis and prognosis for surgical and nonsurgical treatment". Presented at the annual meeting of the American Roentgen Ray Society, 1998 (*Am J Roentgenol* 1998;170S (4):50).
21. **Tung GA**, Entzian D, Green A. "MR imaging of glenoid SLAP tears: an evaluation of diagnostic criteria and imaging technique". Presented at the 84th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 1998.
22. Mermel L, **Tung GA**, Phillip L, Yim JWK, Parenteau S. "Spinal epidural abscess: outcomes of surgical vs. nonsurgical treatment. Program and Abstracts of the 38th Interscience Conference on Antimicrobial Agents and Chemotherapy, San Diego, 1998.

23. Caruso JM, Brown WD, **Tung GA**, Davis LM, Rogg JM, Cortez S, Stopa E, Stowe TG, and Gason GG. "Persistent focal neurological deficits in 3 children with chronic and insidious Epstein-Barr Encephalitis." *Annals of Neurology* 1999;46(3):543. Presented at the 28th Annual Meeting of the Child Neurology Society, Nashville, Tennessee, 1999.
24. **Tung GA**, Jackson IMD, Noren G, and Epstein M, and Rogg JM. "MR imaging of pituitary tumors treated by gamma knife radiosurgery". Presented at the 85th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 1999.
25. Rogg JM, Ahn SH, Noren G, and **Tung GA**. Indicence of hydrocephalus with acoustic schwannomas. Presented at the 86th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 2000.
26. Petchprapa CN, Delzell PB, Leighton D, Green IF, Levine SM, Barnard WL, **Tung GA**, etal. "Shoulder ultrasound learning curve: Don't give ultrasound the cold shoulder just yet". Presented at the 87th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 2001.
27. Davis LM, Geist M, Rogg JM, Brody JM, Mayo-Smith WW, and **Tung GA**. "Utility of subdural windows in the interpretation of emergency brain CT scans". Presented at the 87th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 2001.
28. Stallman J, Rogg JM, Kahn AM, and **Tung GA**. "Assessment of vestibular schwannoma MR imaging T2 signal: implications for gamma knife treatment response". Presented at the 40th Annual Meeting of the American Society of Neuroradiology, 2002.
29. Ahn S, Rogg JM, **Tung GA**, and Noren G. "Incidence of hydrocephalus in 157 patients with vestibular schwannoma". Presented at the 40th Annual Meeting of the American Society of Neuroradiology, 2002.
30. Hou DD and **Tung GA**. "MR arthrography of the posterior labrocapsular complex in posterior instability". Presented at the 88th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 2002.
31. Jayaraman M, Mayo-Smith WW, Haas RA, Rogg JM, Mehta NR, and **Tung GA**. "Multidetector CT angiography versus digital subtraction angiography in the detection of intracranial aneurysms". Presented at the 88th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 2002.
32. Bradley MP, **Tung GA**, Green A. "Over-utilization of shoulder MR imaging as a diagnostic screening tool", Presented at the Annual Meeting of the American Shoulder and Elbow Surgery Society, Orlando, FL, April 2002.
33. Bradley MP, **Tung GA**, Green A. "Over-utilization of shoulder MR imaging as a diagnostic screening tool", Presented at the Annual Meeting of the Society of Military Orthopedic Surgeons, San Diego, CA, December 2002.
35. Chong-Han CH, **Tung GA**, Cortez SC. "Diffusion-weighted MR imaging of cerebral toxoplasma abscess". Presented at the 104th Annual Meeting of the American Roentgen Ray Society, 2004.
36. Bradley MP, **Tung GA**, Green A. "Over-utilization of shoulder MR imaging as a diagnostic screening tool", Presented at the Annual Meeting of the International Congress on Surgery of the Shoulder, Washington, DC, 2004.
37. Holmes WN, **Tung GA**, Lampen KM, Tremont G, Blum AS. "Proton MR spectroscopy in the pre-surgical evaluation of temporal lobe epilepsy: comparison with conventional anatomic and functional tests of localization", Presented at the 90th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 2004.

38. Lin HM, Brody JM, **Tung GA**. “The root of the problem: meniscus root tears and meniscus extrusion with anterior cruciate ligament tear”, Presented at the 90th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 2004.
39. **Tung GA** and Gandhi NS. “Rotator cuff calcifications: Radiographic-MR imaging correlation”, Presented at the 53rd Annual Meeting of the Association of University Radiologists, Montreal, Quebec, Canada, 2005.
40. Evangelista PT, **Tung GA**, Holmes WN, McCarten KM, Barron C, Goldberg AP, et al. “Coronal, Whole-body STIR for the Evaluation of Nonaccidental Trauma in Children”. Presented at the 91st Scientific Assembly and Annual Meeting of the Radiological Society of North America, 2005.
41. Kumar M, **Tung GA**, Brown WD, Jenny C, Richardson R. “Comparison of accidental and non-accidental traumatic head injury in children on noncontrast computed tomography”. Presented at the 91st Scientific Assembly and Annual Meeting of the Radiological Society of North America, 2005.
42. Fleming BC, **Tung GA**, Trafton TG, Fadale PF, Hulstyn MJ. “Magnetic susceptibility artifact from ACL interference screws does not affect articular cartilage volume measurements”. Presented at the International Symposium of Ligament and Tendon, 18 March 2006, Chicago, IL.
43. Jung E, **Tung GA**, Dyke JP, Lee JH, Ciombor DMcK, Aaron RK. Pathophysiology of bone marrow edema: Insights from dynamic, contrast-enhanced MR imaging”. Presented at 14th Scientific Meeting of the International Society of Magnetic Resonance in Medicine, 9 May 2006, Seattle, Washington.
44. Jung E, Dyke JP, Lee JH, Ciombor DMck, Aaron RK, **Tung GA**. "Assessment of bone marrow edema perfusion with dynamic contrast enhanced MR imaging". Presented at the 92nd Scientific Assembly and Annual Meeting of the Radiological Society of North America, 26 Nov 2006, Chicago, Illinois.
45. Aaron RK, **Tung GA**, Dyke JP, Jung E, Lee JH, and Ciombor D. “Quantification of bone marrow lesions with dynamic contrast-enhanced MR imaging”. Presented at the 53rd Meeting of the Orthopedic Research Society, February 11-14, 2007.
46. Aaron RK, **Tung GA**, Dyke JP, Jung E, Lee JH, and Ciombor D. “Contrast-enhanced MR imaging of bone marrow edema associated with osteoarthritis and avascular necrosis.”. Presented at the World Congress of Osteoarthritis (Osteoarthritis Research Society International), December 7, 2007.
47. Fleming BC, Bowers ME, **Tung GA**, Trinh N, Crisco JJ, Kimia B. "Quantitative MRI using ‘LiveWire’ to Measure Tibiofemoral Articular Cartilage Thickness". Presented at the 54th Annual Meeting of the Orthopaedic Research Society, March 2-5, 2008 in San Francisco, California.
48. Bowers ME, **Tung GA**, Oksendahl HL, Hulstyn MJ, Fadale PD, Fleming BC. Quantifying Meniscal Volume and Articular Cartilage Thickness in Patients Treated with Partial Meniscectomy. Podium presentation, North American Congress on Biomechanics, Ann Arbor, MI, 5-9 August 2008.
49. Fleming BC, Portney R, **Tung GA**, Fadale PD, Hulstyn MJ, Bowers ME, Machan JT, Oksendahl HL: Delayed gadolinium enhanced MRI of cartilage (dGEMRIC) following ACL injury. Orthopaedic Research Society, Las Vegas, February 22-25, 2009.

50. Woodfield CA, Grand DJ, Pezzullo JA, Machan J, **Tung GA**. Diffusion-weighted MRI in Prostate Cancer: Comparison of Tumor Apparent Diffusion Coefficients with Gleason Score and Percent Tumor on Core Biopsy. Thirty-Eighth Annual Meeting of The Society of Uroradiology and Abdominal Radiology Course. Maui, Hawaii, March 2009.

51. **Tung GA**, Meehan WA, Jenny C, Evangelista P. Imaging of the Brain on Coronal Whole-Body STIR: Comparison with Dedicated Brain MR Imaging for the Evaluation of Abusive Head Trauma. American Roentgen Ray Society Annual Meeting, Boston, MA, April 26-May 1, 2009.

52. **Tung GA**, Meehan, WA, Portnoy RA, Fadale P, Hulstyn MJ, Bowers ME, Oksendahl HL, Fleming BC. Portney R. Delayed Gadolinium-Enhanced MR Imaging of Cartilage (dGEMRIC) after ACL Tear. American Roentgen Ray Society Annual Meeting, Boston, MA, April 26-May 1, 2009.

53. Bowers ME, **Tung GA**, Oksendahl HL, Hulstyn MJ, Fadale PD, Fleming BC: Delayed Gadolinium-Enhanced MRI of Cartilage (dGEMRIC) 12 months after ACL reconstruction. Orthopaedic Research Society, New Orleans, 6-10 March 2010.

54. Bowers ME, **Tung GA**, Machan J, Murray M, Fleming BC. Quantitative MR imaging of tibiofemoral articular cartilage in a porcine model of ACL reconstruction. Orthopaedic Research Society, Long Beach, CA, 13-16 January 2011

55. McCarten KM, Holmes WN, Arcuri D, Barron CE, Goldberg AP, Jenny C, **Tung GA**. Coronal, WB-STIR MR imaging in suspected non-accidental trauma: Does WB-STIR complement radiographic bone survey in establishing an injury pattern? Society of Skeletal Radiology, Camelback AZ, 13-16 March 2011.

56. Matthew R. Akelman, Paul D. Fadale¹, Michael J. Hulstyn, Robert M. Shalvoy, Arlene Garcia, Kaitlyn E. Chin, Gary J. Badger, Jeffrey Duryea, **Glenn A. Tung**, Braden C. Fleming "The Effect of Initial Graft Tension after Anterior Cruciate Ligament (ACL) Reconstruction: A Randomized Clinical Trial NCT00434837) with 84-Month Follow-up." Orthopaedic Research Society, Orlando FL; 6 March 2016.

POSTERS and ELECTRONIC EXHIBITS

1. Ridlen MS, Cronan JJ, and **Tung, GA**. "Imaging of Adrenal Masses". Presented at the 77th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 1991.

2. Davis LM, **Tung GA**, Wiggins ME, and Fadale PM. "Primary and secondary findings of anterior cruciate ligament tear on MR imaging". Presented at the 79th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 1993;

Awarded Certificate of Merit.

3. Breslaw BH, **Tung GA**, and Fadale PF. "MR Imaging of Knee Trauma: Correlation of Medullary Contusion Pattern with Soft-Tissue Injury". Presented at the 80th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 1994.

4. Davis LM, **Tung GA**, Barnard WL, and Stern JB. "Magnetic Resonance Arthrography of the Shoulder: Technique, Normal Anatomy, and Common Injuries". Presented at the 80th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 1994;

Awarded Certificate of Merit.

5. **Tung GA**. "RSNA "General Case of the Day". Presented at the 81st Scientific Assembly and Annual Meeting of the Radiological Society of North America, 1995.
6. Faberman RS, Ott BR, Noto RB, Rogg JM, and **Tung GA**. "Correlation between white matter hyperintensity at MR imaging and cortical perfusion at SPECT in dementia". Presented at the 82nd Scientific Assembly and Annual Meeting of the Radiological Society of North America, 1996.
7. Hough TJ, **Tung GA**, Belcher GL, and Fadale PM. "MR imaging of injuries to the biceps muscle and tendons". Presented at the 82nd Scientific Assembly and Annual Meeting of the Radiological Society of North America, 1996.
8. Blum AS, Lampen K, Holmes WN, Tremont G, **Tung GA**. "Is proton magnetic resonance spectroscopy imaging useful in the pre-surgical evaluation of patients with temporal lobe epilepsy?" Presented at American Epilepsy Society, 2003.
9. Fleming B, **Tung GA**, Fadale P, and Hulstyn M. "Magnetic Susceptibility Artifact from ACL interference screws does not affect articular cartilage volume estimates from segmented 1.5T or 3.0T MR images". Presented at the 52nd Annual Meeting of the Orthopaedic Research Society, in Chicago, IL, March 19-22, 2006.
10. Bowers ME, **Tung GA**, Fleming BC, Crisco JJ, and Rey J. "Quantification of meniscal volume by segmentation of 3T MR images". Presented at the 53rd Meeting of the Orthopedic Research Society, February 11-14, 2007.
11. Shah N and **Tung GA**. "Posterior Glenohumeral Instability: A Pictorial Review". Presented at the 107th Annual Meeting of The American Roentgen Ray Society, May 6-11, 2007.
12. Shah N and **Tung GA**. "Posterior Glenohumeral Instability: A Pictorial Review". Presented at the RSNA 93rd Scientific Assembly and Annual Meeting, November 25 - 30, 2007, McCormick Place, Chicago, Illinois. *Awarded Certificate of Merit.*
13. Gerber R, **Tung GA**, Ott B, and Wu C-K. "Clinical and Radiologic Nosology of Asymmetric Cortical Dementias". Presented at the RSNA 93rd Scientific Assembly and Annual Meeting, November 25 - 30, 2007, McCormick Place, Chicago, Illinois.
14. Bowers ME, **Tung GA**, Oksendahl HL, Hulstyn MJ, Fadale PD, Fleming BC. Quantifying Meniscal Volume and Tibiofemoral Cartilage Thickness after Partial Meniscectomy. Poster presentation, 2nd Annual Workshop on Imaging-Based Measures of Osteoarthritis, Boston, MA, 25-28 June 2008.
15. Portnoy R, **Tung GA**, Fadale PD, Hulstyn MJ, Bowers ME, Oksendahl HL, Fleming BC. Delayed Gadolinium Enhanced MRI of Cartilage (dGEMRIC) after ACL Tear. Poster presentation, 2nd Annual Workshop on Imaging-Based Measures of Osteoarthritis, Boston, MA, 25-28 June 2008.
16. Bowers ME, **Tung GA**, Trinh N, Crisco JJ, Kimia BB, Fleming, BC. Quantitative MRI using "LiveWire" to Measure Tibiofemoral Articular Cartilage Thickness. Poster presentation, Rhode Island Research Alliance Symposium, Providence, RI, 3 June 2008.
17. Portnoy R, **Tung GA**, Fadale PD, Hulstyn MJ, Bowers ME, Oksendahl HL, Fleming BC. Delayed Gadolinium Enhanced MRI of Cartilage (dGEMRIC) After ACL Tear. Poster presentation, 2nd Annual Workshop on Imaging-Based Measures of Osteoarthritis, Boston, MA, 25-28 June 2008.

18. Bowers ME, **Tung GA**, Oksendahl HL, Hulstyn MJ, Fadale PD, Fleming BC. Quantifying Meniscal Volume and Tibiofemoral Cartilage Thickness after Partial Meniscectomy. Poster presentation, 2nd Annual Workshop on Imaging-Based Measures of Osteoarthritis, Boston, MA, 25-28 June 2008.

19. Hidlay DT, McTaggart RA, Yaghi S, Dibiasio EL, Tung EL, Baird G, **Tung GA**, Jayaraman MV. Accuracy of smartphone-based evaluation of Large Vessel Occlusion on CTA. Poster presentation, International Stroke Conference, Houston TX, 22-24 February 2017.

20. DiBiasio EL, Jayaraman MV, Baird GL, Yaghi S, Tung EL, Hidlay DT, **Tung GA**, McTaggart RA. Performance of CT, CTA and MRI on decision to treat emergent large vessel occlusion (ELVO) in patients who present greater than 6 hours after stroke onset. Poster presentation, International Stroke Conference, Houston TX, 22-24 February 2017.

21. Tung EL, McTaggart RA, Baird GL, Yaghi S, Hemendinger M, DiBiasio EL, Hidlay DT, **Tung GA**, Jayaraman MV. What is "near complete" recanalization? Rethinking TIC1 2b in modern thrombectomy era. Poster presentation, International Stroke Conference, Houston TX, 22-24 February 2017.

INVITED PRESENTATIONS (National Conferences and Courses)

1. "Imaging and Biopsy of the Prostate Gland"; American Roentgen Ray Society Refresher Course, Boston Sheraton Hotel, Boston, MA; 6 May 91.

2. "Imaging and Biopsy of the Prostate; State of the Art in 1992"; American Roentgen Ray Society Course; Orlando, FL; 14 May 92.

3. "Imaging of Adrenal Lesions"; Society of Gastrointestinal Radiologists; Palm Springs, CA; 26 February 1998.

INVITED PRESENTATIONS (Grand Rounds and Graduate Medical Education Courses)

1. "Mitral Valve Prolapse"; Division of Primary Care Lecture Series, Brigham and Women's Hospital, Boston, MA; 8 January 1984.

2. "The Management of Breast Cancer: an update"; Division of Primary Care Lecture Series, Brigham and Women's Hospital, Boston, MA; 19 April 1984.

3. "Recent Trends in Interventional Uroradiology"; Harvard Medical School Postgraduate Course "Current Trends in Diagnostic Radiology", Boston, MA; 4 October 1989.

4. "Management of Contrast Media Reactions; A Practical Approach"; Radiology Quality Improvement Symposium, Massachusetts General Hospital, Boston, MA; 23 July 1990.

5. "Magnetic Resonance Imaging of the Male and Female Pelvis: New Developments"; MGH Visiting Fellows Continuing Education Course, Boston, MA; 12 September 1990; 26 October 90.

6. "Magnetic Resonance Imaging of the Knee: A Pathophysiologic Approach"; MGH Visiting Fellows Continuing Education Course, Boston, MA; 13 September 1990; 24 October 90; 13 November 90.

7. "Genitourinary Tract Radiology: Film Panelist"; New England Roentgen Ray Society, Boston, MA, 15 March 91.

8. "Imaging of Adrenal Disease"; Rhode Island Radiological Society, Biltmore Hotel, Providence, Rhode Island; 18 March 91.

9. "Magnetic Resonance Imaging of the Male and Female Pelvis"; Harvard Medical School Postgraduate Course "Current Trends in Diagnostic Radiology"; Boston, MA; 8 May 91.
10. "Magnetic Resonance Imaging of Musculoskeletal Neoplasms"; 12th Annual Symposium on Diagnostic Imaging, Brown University School of Medicine, Newport, Rhode Island; 14 August 91.
11. "The Adrenal Mass: Guidelines for Characterization"; 12th Annual Symposium on Diagnostic Imaging, Brown University School of Medicine, Newport, Rhode Island; 14 August 91.
12. "Radiologic Staging of Prostate Cancer"; 12th Annual Symposium on Diagnostic Imaging, Brown University School of Medicine, Newport, Rhode Island; 14 August 91.
13. "Diagnostic Magnetic Resonance Imaging of the Knee"; Symposium on Sports Medicine, Department of Orthopedic Surgery, Warwick, Rhode Island; 14 March 92.
14. "Diseases of Adrenal Hyperfunction and Insufficiency; the Role of Imaging"; New England Roentgen Ray Society, Boston, MA; 20 March 92.
15. "Genitourinary Tract Radiology: Film Panelist"; New England Roentgen Ray Society, Boston, MA; 20 March 92.
16. "The Role of MR imaging in the Evaluation of the Patient with Arthritis and Joint-related Pain"; Department of Rheumatology, Rhode Island Hospital, Providence, Rhode Island; 9 April 92.
17. "Magnetic Resonance Imaging of the Shoulder"; 13th Annual Symposium on Diagnostic Imaging, Brown University School of Medicine, Newport, Rhode Island; 12 August 92.
18. "Basic Physics of Nuclear Magnetic Resonance and Magnetic Resonance Imaging"; Department of Orthopedic Surgery, Basic Science Lecture Series, Rhode Island Hospital, Providence, Rhode Island; 7 October 92.
19. "Magnetic Resonance Imaging and Its Application in Clinical Orthopedics"; Department of Orthopedic Surgery, Grand Rounds, Rhode Island Hospital, Providence, Rhode Island; 21 October 92.
20. "Magnetic Resonance Imaging of the Joints; Guidelines for the Athletic Trainer"; Sports Medicine Club, Rhode Island College, Providence, Rhode Island; 4 November 92.
21. "Gastrointestinal Tract Radiology: Film Panel Moderator"; New England Roentgen Ray Society, Boston, MA; 20 November 92.
22. "Magnetic Resonance Angiography". Medical Grand Rounds; South County Hospital, Wakefield, Rhode Island; 23 April 93.
23. "Magnetic Resonance Imaging: Application in Rheumatological Diseases". Department of Rheumatology, Rhode Island Hospital, Providence, Rhode Island; 28 April 93.
24. "Newer Methods of Imaging Carotid Atherosclerotic Disease: Magnetic Resonance Angiography"; Symposium on Peripheral Vascular Disease, Brown University School of Medicine, Newport, Rhode Island; 14 August 93.

25. "Magnetic Resonance Angiography: A Primer". Department of Neurosurgery, Rhode Island Hospital, Providence, Rhode Island; 7 October 93.
26. "Magnetic Resonance Arthrography of the Shoulder". Medical Grand Rounds, The William W. Backus Hospital, Norwich, CT; 8 October 93.
27. "Magnetic Resonance Angiography: A Primer for the Neurologist". Neurology Grand Rounds, Rhode Island Hospital, Providence, Rhode Island; 15 December 93.
28. "Primary and Secondary Signs of Anterior Cruciate Ligament Tear on MR Imaging" and "Glenohumeral Instability: Magnetic Resonance Arthrography"; Medical Grand Rounds, Windham Community Hospital, Willimantic, CT; 9 March 94.
29. "The ACL-Deficient Knee: Role of Magnetic Resonance Imaging"; Radiology Grand Rounds, The University of Connecticut, Farmington, CT; 9 March 94.
30. "Glenohumeral Instability: Magnetic Resonance Arthrography"; Radiology Grand Rounds, The University of Connecticut, Farmington, CT; 9 March 94.
31. "Magnetic Resonance Imaging of Injuries to the Ligaments of the Knee". New England Sports Medicine Symposium, The Gerry House, Rhode Island Hospital, Providence, Rhode Island; 26 March 94.
32. "Evaluation of Refractory Epilepsy". Neurology Grand Rounds (co-speakers: Drs. GG Gascon and RB Noto), Pediatric Grand Rounds, Rhode Island Hospital, Providence, Rhode Island; 2 September 94.
33. "Magnetic Resonance Cholangiopancreatography: State of the Art". Gastroenterology Department Grand Rounds, Rhode Island Hospital, Providence, Rhode Island; 26 September 96.
34. "Neuroradiology: Film Panel Moderator"; New England Roentgen Ray Society, Boston, MA; 18 April 97.
35. "Imaging of Adrenal Disease". Department of Radiology Grand Rounds, Massachusetts General Hospital, Boston, MA; 12 May 97.
36. "Adrenal Imaging: An Overview". Department of Radiology Grand Rounds, University of Massachusetts, Worcester, MA; 22 October 97.
37. "Diagnosing and Treating Common Bile Duct Stones-MR Cholangiography". Controversies in Minimally Invasive Surgery course, Brown University School of Medicine and the Department of Surgery, Oceans Edge Resort and Golf Club, Brewster, MA; 13 July 98.
38. "Controversies in Diagnostic Imaging". Department of Internal Medicine Residents' Conference, Rhode Island Hospital, Providence, Rhode Island, 12 February 99.
39. "Magnetic Resonance Angiography: An Update for the Internist". Department of Internal Medicine Grand Rounds, Rhode Island Hospital, Providence, Rhode Island, 13 July 99.
40. "Pediatric Brain Tumors: A Multidisciplinary Approach". Department of Pediatrics Grand Rounds, Rhode Island Hospital, Providence, Rhode Island, 19 November 99.

41. "MR Imaging: Unknown Film Panel Moderator"; New England Roentgen Ray Society, Boston, MA; 21 January 2000.
42. "Diffusion-weighted MR imaging: Ischemia and Beyond"; Department of Neurology Grand Rounds; Rhode Island Hospital, Providence, Rhode Island, 18 December 2002.
43. "MR imaging of Articular Cartilage and Osteoarthritis"; Division of Primary Care and Prevention Grand Rounds; Memorial Hospital, Pawtucket, Rhode Island, 17 January 2003.
44. "Diffusion-weighted MR imaging: Ischemia and Beyond"; Department of Radiology Grand Rounds; University of Connecticut Hospital, Farmington, Connecticut, 12 February 2003.
45. "MR imaging and MR arthrography of Glenohumeral Instability"; Department of Radiology Grand Rounds; University of Connecticut Hospital, Farmington, Connecticut, 12 February 2003.
46. "Keys to Success on the Teaching Scholar Track at Brown"; Faculty Development Workshop, Brown Medical School, Providence, Rhode Island, 2 April 2003.
47. "Low Back Pain: Diagnosis and Management"; Department of Medicine Grand Rounds; Rhode Island Hospital; Brown University, Providence, Rhode Island, 17 June 2003.
48. "The Brown Teaching Dossier: Your Teaching Report Card", Faculty Development Workshop, Brown Med School, Providence, Rhode Island, 31 March 2005.
49. "Neuroradiology 2006: The Big Picture is Getting Smaller", Neurology and Neurosurgery Update: A Celebration of Twenty Years of Clinical Neuroscience at Brown, Providence, Rhode Island, 11 November 2006.
50. "Neuroimaging in the Diagnosis of Abusive Head Trauma", The American Professional Society on the Abuse of Children, 15th Annual Colloquium; Boston, MA, 11 July 2007.
51. "Panel Discussion: Promotion at Brown", Faculty Development Workshop, Alpert Medical School at Brown, Providence, Rhode Island, 18 December 2007.
52. "The Patient Protection and Affordable Care Act of 2010", Legislative Symposium (newly-elected Rhode Island state legislators), Providence, RI, 10 Dec 2010.
53. "Aligning the Missions of the Medical School and Teaching Hospitals", Council of Academic Societies annual meeting, Providence, Rhode Island, 5 March 2011.
54. "Vascular Disease of the CNS." Kaiser Mid-Atlantic Permanente Medical Group Second Annual MAPMG Radiology CME conference, Washington DC, 9 September 2012.
55. "Essential Neuroanatomy through Neuroimaging." Kaiser Mid-Atlantic Permanente Medical Group Second Annual MAPMG Radiology CME conference, Washington DC, 9 September 2012.

GRANTS and MULTI-INSTITUTIONAL TRIALS

1. American College of Radiology Imaging Network (ACRIN). A multi-institutional grant funded by the National Cancer Institute and National Institutes of Health (grant number CA80098). Term: 1997-2013; \$82,030.

Role: Site Principal Investigator for a Core Participant Institution (Rhode Island Hospital, The Miriam Hospital, Women and Infants Hospital, and Rhode Island Medical Imaging)

ACRIN Network Chair's Institutional Award, September 2005

2. 5R01-AR047910-03S1 "Effects of initial graft tension on anterior cruciate ligament reconstruction (Supplement)." The effects of initial graft tension on surgical outcome following anterior cruciate ligament reconstruction are being evaluated in this prospective, randomized, controlled study using MR images to assess changes in cartilage volume, thickness, and structure. Term: 7/01/2001-7/31/2014; \$222,750 (direct dollar amount). B.C. Fleming (Principal Investigator).

Role: Co-Investigator (15%)

3. NIH-R01-BRAINS "Imaging of White Matter Maturation during Healthy Neurodevelopment". The primary goal of this project is to longitudinally map the myelin development trajectory throughout the brain in healthy infants and toddlers (1 month through 5 years of age; Term: 01/2010 - 01/2015;

S. Deoni (Principal Investigator)

Role: Co-Investigator

4. Osteoarthritis Initiative. A multi-institutional grant funded by the National Institutes of Arthritis and Musculoskeletal and Skin Diseases and pharmaceutical companies (GlaxoSmithKline, Merck & Co., Inc., Novartis Pharmaceuticals Corporation, and Pfizer). The Osteoarthritis Initiative will establish and maintain a natural history database for osteoarthritis that will include clinical evaluation data, radiologic (x-ray and magnetic resonance) images, and a biospecimen repository. Term: 2003-2008. Role: Co-investigator with C. Eaton (PI) at the Center for Primary Care and Prevention, Pawtucket Memorial Hospital; 2003.

5. Department of Diagnostic Imaging Seed Grant to investigate effects of interference screws on articular cartilage segmentation and whole-organ MR imaging scoring of five cadaveric knees; Term: 2005-6; \$10,000. Role: Principal Investigator

6. Quantitative magnetic resonance imaging analysis of subcortical white matter changes in late-life onset depression. Brown University Department of Psychiatry and Human Behavior Pilot Project; Term: 1993-1995; \$46,000. Role: Co-investigator.

7. Open label use of Omnicran[™] in special populations: Incidence of adverse events. Nycomed; Term: 1994-1995; \$27,000. Role: Co-investigator.

8. In vitro investigation of electrohydraulic gallstone lithotripsy. Monaghan Medical Corporation; Term: 1989-1990; \$10,000. Role: Principal Investigator.

9. Multicenter, open-label study to evaluate the safety and efficacy (by blinded reading) of contrast-enhanced magnetic resonance angiography(MRA) after a single intravenous injection of 0.1 mmol/kg gadobutrol in subjects with known or suspected cerebrovascular stenosis. Funded by BAYER HC Pharm #14607-14014. Jeffrey M. Rogg, M.D. (Principal Investigator). 8/18/2011-11/11/2029; \$20,672. Role: Co-Investigator

10. Multicenter, open-label study to evaluate the safety and efficacy (by blinded reading) of gadobutrol-enhanced magnetic resonance angiography(MRA) after a single intravenous injection of 0.1 mmol/kg gadobutrol in subjects with

known or suspected renal artery stenosis. Funded by BAYER HC Pharm #91759. Dr. Gregory M. Soares, M.D. (Principal Investigator). Term: 2011-2012. \$18,330. Role: Co-Investigator.

TEACHING ROLES: UNIVERSITY

1. Bio3652 (IMS II): Brain Sciences (formerly Neurologic Pathophysiology); Alpert Medical School of Brown University, 2001- present.
Course Leader (with J. Donahue, J. Roth and K. Stavros), 2017
Course Leader (with J. Donahue, N.S. Potter, and J. Roth), 2010-2016
Course Leader (with E. Feldmann and J. Donahue), 2008-2009
Course Leader (with E. Feldmann), 2005-2007
Course Leader (with J. Wilterdink), 2002-2004.
2. Biomed 636: Elective in Neuroradiology, Alpert Medical School of Brown University
Course Leader with J.M. Rogg, 2003- present
3. Biomed 633: Cross-sectional Imaging; Alpert Medical School of Brown University, 1991-2005.
Instruction of approximately 50 third and fourth year medical students per year on the indications for and interpretation of neurologic and musculoskeletal MR imaging.
4. Biomed 629: General Introduction to Radiology; Alpert Medical School of Brown University, 1991-2005. Formal didactic lectures to third and fourth year medical students (1991-2005) on the subjects of: (1) normal abdominal anatomy and pathological anatomy as imaged by computed tomography (1991-1993), and (2) the physics of and practical indications for MR imaging (1994-2004); Informal instruction to medical students during clinical service rotations (1991-present).
5. Biomed 181: Human Morphology; Brown University School of Medicine, 1992-2007.
Coordinate faculty teaching from the Department of Diagnostic Imaging (1996-1999); Instruction of first year medical students during in-hospital observation of clinical radiology (1992-present); Lecturer, 1997-1999; 2006.
6. Renal Pathophysiology; Harvard University School of Medicine, 1989-1991.
Instruction of second year medical students in a case discussion format.

TEACHING ROLES: DEPARTMENT of DIAGNOSTIC IMAGING

1. Education of Resident Physicians. In addition to informal teaching on clinical service, I formally lecture bimonthly and mentor clinical research research.
2. Clinical Competence and Evaluation Committee for the Diagnostic Radiology Residency Training Program, 2017.