

CURRICULUM VITAE

DAVID LAWRENCE BURK, JR., M.D. (Larry)

Date and Place of Birth: November 28, 1955
Pittsburgh, Pennsylvania

Citizen of: United States of America

Email: lburk@nationalrad.com

EDUCATION:

High School: Fox Chapel
Place: Pittsburgh, Pennsylvania
Dates: 1969 - 1973
Degree: None

College: Duke University
Place: Durham, North Carolina
Dates: 1973 - 1977
Degree: B.A., Chemistry

Graduate: University of Pittsburgh
School of Medicine
Place: Pittsburgh, Pennsylvania
Dates: 1977 - 1981
Degree: M.D.

PROFESSIONAL TRAINING:

Postgraduate: University Health Center of Pittsburgh
Place: Pittsburgh, Pennsylvania
Dates: 1981 - 1985
Internship and Residency - Radiology

Postgraduate: Hospital of the University of Pennsylvania
Place: Philadelphia, Pennsylvania
Dates: 1986 - 1987
Fellowship - Musculoskeletal Radiology

Postgraduate: Duke University Medical Center
Place: Durham, NC
Dates: 1995
Anodyne Imagery Practitioner Training

ACADEMIC CAREER:

1999 - 2004	Assistant Clinical Professor of Psychiatry Duke University Medical Center Durham, North Carolina
1998 - 2004	Associate Clinical Professor of Radiology Duke University Medical Center Durham, North Carolina
1998 - 2004	Director of Education Duke Center for Integrative Medicine Durham, North Carolina
1993 - 1998	Associate Professor of Radiology Duke University Medical Center Durham, North Carolina
1991 - 1993	Associate Clinical Professor of Radiology Eastern Virginia Graduate School of Medicine Norfolk, Virginia
1987 - 1991	Assistant Professor of Radiology Jefferson Medical College Philadelphia, Pennsylvania
1985 - 1986	Instructor of Radiology University of Pittsburgh School of Medicine Pittsburgh, Pennsylvania

Hospital and Radiology Appointments:

Diagnostic Musculoskeletal Radiologist
National Musculoskeletal Imaging
Deerfield Beach, Florida
2004 - present

Staff Diagnostic Radiologist
Duke University Medical Center
Durham, North Carolina
1996 - 2004

Section Head, Musculoskeletal Radiology
Duke University Medical Center
Durham, North Carolina
1993 - 1996

Staff Diagnostic Radiologist

DePaul Medical Center
Norfolk, Virginia
1991 - 1993

Staff Diagnostic Radiologist
Virginia Beach General Hospital
Virginia Beach, Virginia
1991 - 1993

Staff Diagnostic Radiologist
Thomas Jefferson University Hospital
Philadelphia, Pennsylvania
1987 - 1991

Staff Diagnostic Radiologist
Pittsburgh NMR Institute
Pittsburgh, Pennsylvania
1985 - 1986

Medical Licensure:

Florida # ME 89839 – 2004 – present
Georgia # 054470 – 2004 – present
Texas Teleradiology – 2004 - present
North Carolina #36667 – 1993 - present
Virginia #0101-046742 – 1991 - 1993
Pennsylvania, #027565-E – 1982 - 1991
National Board of Medical Examiners -1982

Specialty Certification:

American Board of Radiology - 1985

Scholarly Societies:

American Academy of Medical Acupuncture
North Carolina Academy of Medical Acupuncture
International Society for the Study of Subtle Energies
and Energy Medicine

PUBLICATIONS

Refereed Journals:

1. **Burk DL Jr**, Mears DC, Herbert DL, et al. Pelvic and acetabular fractures: examination by angled CT scanning. Radiology 153:548, 1984.
2. **Burk DL Jr**, Mears DC, Kennedy WH, et al. Three-dimensional computed tomography of acetabular fracture. Radiology 155:183, 1985.
3. **Burk DL Jr**, Mears DC, Cooperstein LA, et al. Acetabular fractures: three-dimensional computed tomographic imaging and interactive surgical planning. CT 10:1, 1986.

4. **Burk DL Jr**, Kanal E, Brunberg JA, et al. 1.5 Tesla surface coil MRI of the knee. AJR 147:293, 1986.
5. **Burk DL Jr**, Brunberg JA, Kanal E, et al. 1.5 Tesla surface coil MR imaging of the spinal and paraspinal neurofibromatosis. Radiology 162:797, 1987.
6. Mitchell DG, **Burk DL Jr**, Vinitiski S, Rifkin MD. The biophysical basis of tissue contrast in extracranial MR imaging. AJR 149:831, 1987.
7. Fobbin ES, Dalinka MK, Schiebler, ML, **Burk DL Jr**, et al. The magnetic resonance imaging appearance at 1.5 Tesla of cartilaginous tumors involving the epiphysis. Skeletal Radiol 16:647, 1987.
8. Rafto SE, Dalinka MK, Schiebler ML, **Burk DL Jr**, Kricun ME. Spondyloarthropathy of the cervical spine in long-term hemodialysis. Radiology 166:201, 1988.
9. **Burk DL Jr**, Dalinka MK, Kanal E, et al. Meniscal and ganglion cysts of the knee: MRI evaluation. AJR 150:331, 1988.
10. Cohen EK, Kressel HY, Perosio T, **Burk DL Jr**, et al. MR imaging of soft tissue hemangiomas: correlation with pathologic findings. AJR 150:1079, 1988.
11. Cohen EK, Kressel HY, Frank TS, Fallon M, **Burk DL Jr**, et al. Hyaline cartilage origin bone and soft tissue neoplasms MR appearance and histologic correlation. Radiology 1267:477, 1988.
12. Coleman BG, Kressel HY, Dalinka MK, Schiebler ML, **Burk DL Jr**, Cohen EK. Radiographically negative avascular necrosis: detection with MR imaging. Radiology 168:525, 1988.
13. Glickstein MR, **Burk DL Jr**, Schiebler ML, et al. Avascular necrosis versus other diseases of the hip: sensitivity of MR imaging. Radiology 169:213, 1988.
14. Mitchell DG, Vinitiski S, **Burk DL Jr**, et al. Motion artifact reduction in MR imaging of the abdomen: gradient moment nulling versus respiratory sorted phase encoding. Radiology 169:155, 1988.
15. Dick BW, Mitchell DG, **Burk DL Jr**, et al. The effect of chemical shift misrepresentation on cortical bone thickness on MR imaging. AJR 151:537, 1988.
16. Mitchell DG, Vinitiski S, **Burk DL Jr**, et al. Multiple spin echo imaging in the abdomen and pelvis: effects on image contrast and motion induced artifact. Magn Reson Imag 6:535, 1988.
17. Rao VM, Mitchell DG, Steiner RM, Rifkin MD, **Burk DL Jr**, et al. Femoral head avascular necrosis in sickle cell anemia: MR characteristics. Magn Reson Imag 6:661, 1988.
18. Rao VM, Mitchell DG, Rifkin MD, Steiner RM, **Burk DL Jr**, et al. Marrow infarction in sickle cell anemia: correlation with marrow type and distribution by MRI. Magn Reson Imag 7:39, 1989.

19. **Burk DL Jr**, Karasick D, Kurtz AB, et al. Rotator cuff tears: prospective comparison of MRI with arthrography, sonography, and surgery. AJR 153:87, 1989.
20. Glickstein MF, **Burk DL Jr**, Kressel H. MR demonstration of hyperintense herniation discs and extruded disc fragments. Skeletal Radiology 18:527, 1989.
21. Mitchell DG, Vinitzki S, Rifkin MD, **Burk DL Jr**. Sampling bandwidth and fat suppression. Effects on long TR/TE MRI of the abdomen and pelvis at 1.5 Tesla. AJR 153:419, 1989.
22. Vinitzki S, Mitchell DG, Rifkin MD, **Burk DL Jr**. Improvement in signal to noise ratio and correction of chemical shift and motion induced artifacts by summation of gradient and spin echo data acquisition. JCAT 13:1041, 1989.
23. Mitchell DG, Vinitzki S, **Burk DL Jr**, et al. Variable flip angle spin echo MRI of the pelvis: more versatile T2-weighted images. Radiology 171:525, 1989.
24. Vinitzki S, Szumowski J, Rao VM, **Burk DL Jr**, et al. Fast three dimensional chemical shift magnetic resonance imaging. Proc IEEE Eng Biol Med 11:517, 1989.
25. **Burk DL Jr**, Karasick D, Mitchell DG, Rifkin MD. MR imaging of the shoulder: correlation with plain radiography. AJR 154:549, 1990.
26. Mitchell DG, Vinitzki S, **Burk DL Jr**, et al. Variable flip angle imaging and fat suppression: applications in combined gradient and spin echo (GREASE) technique. Magn Reson Imag 8:131, 1990.
27. Harned EM, Mitchell DG, **Burk DL Jr**, et al. Bone marrow findings on magnetic resonance images of the knee: accentuation by fat suppression. Magn Reson Imag 8:27, 1990.
28. Feld R, **Burk DL Jr**, McCue P, et al. MRI of aggressive fibromatosis: frequent appearance of high signal intensity on T2-weighted images. Magn Reson Imag 8:583, 1990.
29. Vinitzki S, Mitchell DG, Tasciyan TA, Ortega HV, **Burk DL Jr**, Rifkin MD. Optimization of the excitation RF pulse in combined inversion recovery gradient and spin echo (IR-GREASE) technique. Proc IEEE Eng Biol Med 12:82, 1990.
30. Mitchell DG, Vinitzki S, Saponaro S, Tasciyan TA, **Burk DL Jr**, Rifkin MD. The liver and pancreas: improved spin echo T1 contrast by shorter TE and fat suppression at 1.5 Tesla. Radiology 178:67, 1991.
31. **Burk DL Jr**, Torres JL, Marone P, et al. MR imaging of shoulder injuries in professional baseball players. JMRI 1:385, 1991.
32. Siegelman ES, Mitchell DG, Rubin R, Hann HWL, Kaplan KR, Steiner RM, Rao VM, Schuster SJ, **Burk DL Jr**, Rifkin MD. Parenchymal versus reticuloendothelial iron overload in the liver: distinction with MR imaging. Radiology 179:361, 1991.
33. Mitchell DG, Rubin R, Siegelman E., **Burk DL Jr**, Rifkin MD. Hepatocellular carcinoma within siderotic regenerative nodules: appearance as a nodule within a nodule on MR images. Radiology 178:101, 1991.

34. Kaplan KR, Mitchell DG, Steiner RM, Murphy S, Vinitzki S, Rao VM, **Burk DL Jr**, Rifkin MD. Polycythemia vera and myelofibrosis: correlation of MR imaging, clinical, and laboratory findings. Radiology 183:329-334, 1992.
35. Schiffman JS, Lasch HM, Rollag MD, Flanders AE, Brainard GC, **Burk DL Jr**. Effect of magnetic resonance imaging (MRI) on the normal human pineal: Measurement of plasma melatonin. JMRI 4:7-11, 1994.
36. Nguyen T-P, **Burk DL Jr**. Musculoskeletal case of the day. AJR 1995;165:201-206.
37. Spritzer CE, Courneya DL, **Burk DL Jr**, Garrett WE, Strong JA. Medial retinacular complex injury in acute patellar dislocation: MR findings and surgical implications. AJR 1997;168:117-122.
38. Sugarman J, **Burk L**. Physicians' ethical obligations regarding alternative medicine. JAMA 1998;280:1623-1625.

II. Non-Refereed Publications:

1. Recht MP, **Burk DL Jr**, Dalinka MK. Radiography of hand and wrist injuries in athletes. Clinics in Sports Medicine 6:811, 1987.
2. **Burk DL Jr**, Dalinka MK, Kanal E, Brunberg JA. High resolution MR imaging of the knee. In Magnetic Resonance Annual, Kressel HY (ed). Raven Press, New York, NY, 1988.
3. Kanal E, **Burk DL Jr**, Brunberg JA, et al. Pediatric musculoskeletal magnetic resonance imaging. Radiologic Clinics of North America 26:211, 1988.
4. Brunberg JA, Latchaw RE, Kanal E, **Burk DL Jr**, Albright L. Magnetic resonance imaging of spinal dysraphism. Radiologic Clinics of North America 26:181, 1988.
5. **Burk DL Jr**, Dalinka MK, Schiebler ML, et al. Strategies for musculoskeletal MRI. Radiologic Clinics of North America 26:653, 1988.
6. **Burk DL Jr**, Mitchell DG, Rifkin MD, Vinitzki S. Recent advances in MRI of the knee. Radiologic Clinics of North America 28:379, 1990.
7. Steiner RM, Mitchell DG, Rao VM, Murphy S, Rifkin MD, **Burk DL Jr**, et al. Magnetic resonance imaging of bone marrow: diagnostic value in diffuse hematologic disorders. MRI Quarterly 6:17, 1990.
8. **Burk DL Jr**, Karasick D, Wechsler RJ. Imaging of the distal radioulnar joint. Hand Clinics 7:263, 1991.
9. Karasick D, **Burk DL Jr**, Gross GW. Imaging of the traumatized elbow and forearm. Sem Roentgen 26:318, 1991.
10. **Burk DL Jr**. New vistas for Anodyne imagery. Administrative Radiology Journal, July, 1996:38-40.

Other:

a. Published Scientific Reviews:

1. **Burk DL Jr.** NMR surface coil imaging of the spine. Magnetic Excitations, Pittsburgh NMR Institute, Pittsburgh, Pennsylvania, Vol. 1, No. 3, 1985.
2. **Burk DL Jr.** Surface coil NMR of the hip and knee. Magnetic Excitations, Pittsburgh NMR Institute, Pittsburgh, Pennsylvania, Vol. 2, No. 1, 1986.
3. **Burk DL Jr.** Musculoskeletal applications of magnetic resonance imaging. Jefferson Orthopedic Journal, Thomas Jefferson University Hospital, Philadelphia, Pennsylvania 18:13, 1989.
4. **Burk DL Jr.** The basics of bioelectromagnetism. AAMA Review 2:13, 1990.

b. Selected Abstracts:

56. Horowitz BR, Burk DL Jr, Fenlin JM, Bartolozzi AR. Correlation of MRI and arthrography with surgical findings in rotator cuff disease. The Seventh Open Meeting of the American Shoulder and Elbow Surgeons, Anaheim, California, 1991.
57. Schiffman JS, Lasch HM, Rollag MD, Tasciyan T, Flanders A, Brainard GC, Burk DL Jr. Test of MR imaging capacity to suppress plasma melatonin concentrations in normal humans. "1992 SMRI Annual Meeting Printed Program", JMRI (suppl):92, 1992.
58. Schiffman JS, Lasch HM, Rollag MD, Flanders AE, Brainard GC, Burk DL Jr. Effect of magnetic resonance imaging (MRI) on plasma melatonin in normal humans. The First World Congress for Electricity and Magnetism in Biology and Medicine, Abstract Book, p. 74, 1992.
59. Strong JA, Melamed JW, Martinez S, Burk DL, Spritzer CE. MRI of acute and chronic distal biceps tendon injuries. Presented at the 93rd Annual American Roentgen Ray Society Meeting in San Francisco, CA, April 25-30, 1993.
60. Courneya DL, Spritzer CE, Burk Jr. DL, Strong JA. MR imaging of patellofemoral ligament avulsion: A newly recognized medial retinaculum injury. Radiology (suppl) 193(P):289, 1994.
61. Burk DL Jr. Intuitive diagnosis of Ewing sarcoma: Anomaly or paradigm shift? Presented at the 18th Annual Scientific Session, Society of Skeletal Radiology in Tucson, AZ, March 8-11, 1995.
62. Burk DL Jr. Anodyne imagery for musculoskeletal radiologic procedures. Presented at 19th Annual Scientific Session, Society of Skeletal Radiology, Tucson, AZ, March 6-9, 1996.

c. Editorials, Position, and Background Papers:

1. Burk DL Jr, Kanal E, Brunberg J, et al. Critical review: 1.5 Tesla surface coil MRI of the knee. Invest Radiol 22:847, 1987.
2. Burk DL Jr. Intuitive magnetic imaging. Radiology [letter] 182(3):897, 1992.
3. Burk DL Jr. Coming to terms with life and death. Diagnostic Imaging [letter] 1994;February:8.

4. Burk DL Jr. "Medical Intuitives" and remote diagnoses. Diagnostic Imaging [letter] 1994;October:10.
5. Burk DL Jr. Accessing intuition through imagery for stress management, creative problem solving, and diagnosis. AJR [letter] 1996;166:1231-1232.

Professional Awards and Special Recognition:

1984	First Prize, Resident Paper Presentation The Pittsburgh Roentgen Ray Society "3D CT of the Acetabulum"
1986	Certificate of Merit, Scientific Exhibit The American Roentgen Ray Society "MRI of Musculoskeletal Tumors at 1.5 Tesla"
1986	Cum Laude, Scientific Exhibit The Radiological Society of North America "1.5 Tesla High Resolution MRI of the Knee"
1988	Cum Laude, Scientific Exhibit The Radiological Society of North America "The Value of Magnetic Reconversion, Extinction, and Replacement Syndromes"
1989	Certificate of Appreciation, Scientific Exhibit The Radiological Society of North America "Radiology of Osteosarcoma: Past, Present, and Future"
1991	Charles S. Neer II Award Paper The American Shoulder and Elbow Surgeons "Correlation of MRI and Arthrography with Surgical Findings in Rotator Cuff Disease"

Organizations and Participation:

1988 - 1990	Musculoskeletal MRI reviewer for Radiology
1990 - 1991	Safety and musculoskeletal abstract reviewer for the Society of Magnetic Resonance in Medicine and Society for MRI
1990 - 1991	Magnetic Resonance Core Curriculum Committee Society for Magnetic Resonance Imaging
1990 - 1995	Safety Committee Society for Magnetic Resonance Imaging

1991

Technical Exhibits Committee
Society for Magnetic Resonance Imaging