

Eric Berkson, M.D.
Curriculum Vitae

Date Prepared: July 31, 2006

Office Address: Orthopaedic Surgery of Quincy
909 Hancock St.
Quincy, MA 02170
617-773-7457
617-773-0299 (fax)

Place of Birth: Maywood, IL

Education

- 8/15/1990-5/1/1994** **Brandeis University**
B.A. *Summa Cum Laude*, May 1994
Honors in Computer Science; Secondary Major: General Science
- 5/1/1994-5/01/1995** **Brandeis University**
M.A. in Computer Science, May 1995
Thesis work in Artificial Intelligence, GPA: 4.00
- 7/1/1995-6/09/2000** **University of Chicago, Pritzker School of Medicine**
M.D., with Honors, June 2000

Postdoctoral training

Residency

- 7/1/2000-6/30/2001** **Rush University Medical Center**
Internship, Departments of General Surgery and Orthopaedic Surgery
- 7/1/2001-6/30/2005** **Rush University Medical Center**
Resident Physician, Department of Orthopaedic Surgery

Fellowship

- 8/1/2005-7/31/2006** **Massachusetts General Hospital**
Clinical Fellow & Graduate Assistant, Department of Orthopaedic Surgery,
Section of Sports Medicine

Licensure and Certification

- 2000 Illinois Medical License
2005 Massachusetts Medical License
2005 Board eligible, American Board of Orthopaedic Surgery

Honors and Awards

| | |
|-----------|---|
| 2005 | Surgical Sciences Research Award, Finalist |
| 2004 | Emerging Leader, American Orthopaedic Association |
| 2004 | OREF Educational Grant |
| 2004 | Resident Leadership Forum Award, American Orthopaedic Association |
| 2001 | Intern of the Year Award, Department of General Surgery, Rush Medical Center |
| 2000 | Franklin McLean Medical Student Research Award, University of Chicago |
| 1999 | President's Volunteer Service Award, University of Chicago |
| 1999 | U.S. Department of Health & Human Services, Center For Substance Abuse Prevention Exemplary Program Award |
| 1998 | <i>Alpha Omega Alpha</i> |
| 1998 | Jane Morton and Henry C. Murphy Community Service Student Leader Award |
| 1997-1998 | Irving B. Harris Community Service Grant |
| 1996 | Student Research Forum Clinical Science Research Award, University of Chicago |
| 1994 | <i>Phi Beta Kappa</i> |
| 1993-1994 | Brandeis Varsity Swim Team Captain |
| 1990-1994 | Justice Brandeis Scholar |

Academic Appointments

| | |
|-----------|---|
| 2000-2005 | Instructor, Orthopaedic Surgery, Rush University Medical School |
| 2005-2006 | Clinical Fellow in Orthopaedic Surgery, Harvard Medical School |

Hospital Appointments

| | |
|----------------|---|
| 2006 – present | Clinical Associate in Orthopaedic Surgery Massachusetts General Hospital |
| 2006 – present | Department of Orthopaedic Surgery Quincy Medical Center |

Athletic Team Coverage

| | |
|----------------|--|
| 2005 - present | New England Patriots (NFL) |
| 2005 - present | Boston Red Sox (MLB) |
| 2005 - 2006 | Boston Bruins (NHL) |
| 2005 - 2006 | New England Revolution (MLS) |
| 2005 - 2006 | Curry College, Milton, MA |
| 2005 - 2006 | Buckingham Browne & Nichols, Cambridge, MA |
| 2005 - 2006 | Harvard University, Cambridge, MA |
| 2005 - 2006 | Prosser High School, Chicago, IL |
| 2003 - 2004 | Chicago Marathon, Chicago, IL |

Professional Societies

| | |
|------|--|
| 2006 | Candidate Member, American Orthopaedic Society for Sports Medicine |
| 2006 | Candidate Member, American Academy of Orthopaedic Surgeons |
| 2005 | Emerging Leader, American Orthopaedic Association |
| 2001 | American Medical Association |

Research

| | |
|--------------|---|
| 2005-present | Massachusetts General Hospital, Section of Sports Medicine Thomas Gill, IV, M.D. The Biomechanics of Baseball Pitching |
| 2005-present | Massachusetts General Hospital, Section of Sports Medicine George Theodore, M.D. Ankle arthroscopy OCD Lesions |
| 2002-2005 | Rush-Presbyterian-St. Luke's Medical Center, Department of Orthopaedics. Bernard Bach, M.D. Rotation of Bone Tendon Bone Constructs in ACL Reconstruction. |
| 2002-2005 | Rush-Presbyterian-St. Luke's Medical Center, Department of Orthopaedics. Steven Gitelis, M.D. Complications of Modular Oncology Prosthesis in Osteosarcoma. |
| 2002-2004 | Rush-Presbyterian-St. Luke's Medical Center, Department of Orthopaedics. Brian J. Cole, M.D. The Effects of Medial Meniscal Transplantation Techniques on Intra-articular Contact Pressures |
| 2001-2002 | Rush-Presbyterian-St. Luke's Medical Center, Department of Orthopaedics. Aaron Rosenberg, M.D. Modular Component Exchange With and Without Bone Grafting for Osteolysis and Polyethylene Wear |
| 2000-2002 | Rush-Presbyterian-St. Luke's Medical Center, Department of Orthopaedics. Joshua Jacobs, M.D., John Martell, M.D. Polyethylene Wear in Total Hip Arthroplasty. |
| 2000-2001 | Rush-Presbyterian-St. Luke's Medical Center, Department of Orthopaedics. Anthony Romeo, M.D., Mark Cohen, M.D. Anatomic Evaluation of Bicipital Tuberosity. |
| 1999-2000 | Rush-Presbyterian-St. Luke's Medical Center, Department of Orthopaedics. Joshua Jacobs, M.D. Polyethylene Wear/Metal Ion Levels in Total Hip Arthroplasty. |
| 1999-2000 | Rush-Presbyterian-St. Luke's Medical Center, Department of Orthopaedics. Brian J. Cole, M.D., Anthony Romeo, M.D. Internet-based Shoulder Outcomes Measurement. |
| 1998-2000 | University of Chicago Department of Orthopedics. John Martell M.D., Polyethylene Wear in Total Hip Arthroplasty / Computerized Wear Analysis. |
| 1996-1997 | University of Chicago Neurophysiologic Functional Localization Laboratory. Vernon Towle Ph.D., Jean-Paul Spire M.D. Inter-electrode Coherence within Human Cortical Surface Recordings. |
| 1995 | Brandeis University Volen Center for Complex Systems. Department of Computer Science. Richard Alterman Ph.D., Cased Based Reasoning in Multiple Autonomous Software Agents. |
| 1991-1992 | University Orthopaedics. Mitchell Sheinkop M.D., Automating Measurements of Standard Radiographs |

PUBLICATIONS

- 1) Harris A, Don D, Sheinkop M, and **Berkson E**. Automating Measurements from Standard Radiographs. *The International Society for Optical Engineering Society for Imaging Science and Technology Symposium on Electronic Imaging Science and Technology Conference on Model Based Vision, Boston Massachusetts*, Vol. 1827. 157 - 167. November 1992.
- 2) **Berkson E**, Milton J. "Nervous Harmony." Figure. In Gantz, James. Research News: Mastering the Nonlinear Brain. *Science*. 1758. 19 September, 1997.
- 3) Towle V, Syed I, Berger C, Grzeszczuk R, Milton J, Erickson R, Cogen P, **Berkson E**, Spire J. Identification of the Sensory/Motor and Pathologic Regions Using ECoG Coherence. *Electroencephalography and Clinical Neurophysiology*. 106(1). 1998. 30-9.
- 4) Towle V, Lindberg D, Santore M, **Berkson E**, Erickson R. and Spire, J. Human ECoG Coherence Patterns Separate Superficial and Deep Sources. *NeuroImage*. S651. 7(4). 1998.
- 5) Towle V, Khorasani L, **Berkson E**, Syed I, Pelizzari C, Jewett D, Spire J. Human Somatosensory Evoked Potential Dipoles: How Accurate are the Localizations? IEEE Proceedings. 1998.
- 6) **Berkson E**, Samenow C. Adolescent Substance Abuse Prevention Curriculum Manual. Chicago: *University of Chicago Press*. 1998, 1999.
- 7) Martell J, **Berkson E**, and Jacobs J. The Performance of 2D Vs. 3D Computerized Wear Analysis in the Harris Galante Acetabular Component. *Trans ORS* 25:564, 2000.
- 8) Martell J, **Berkson E**, and Jacobs J. The Performance of 2D Versus 3D Computerized Wear Analysis in Total Hip Arthroplasty. *Proceedings of the 67th Annual Meeting of the American Academy of Orthopaedic Surgeons* 1:324-325; 2000.
- 9) Berger R, Lyon J, Jacobs J, Barden R, **Berkson E**, Sheinkop M, Rosenberg A, Galante J. Problems with cementless total knee arthroplasty at 11 years follow-up. *Clinical Orthopaedics*, (392)196-207; November 2001.
- 10) Martell J, **Berkson E**, Berger R, Jacobs J. Comparison of Two and Three-Dimensional Computerized Polyethylene Wear Analysis After Total Hip Arthroplasty. *Journal of Bone and Joint Surgery*, 85-A(6) June 2003.
- 11) **Berkson E**, Ponappan R, Galvin J, Anderson K, Gitelis S. "Complications of modular oncology prostheses for sarcomas about the knee" *Journal of Knee Surgery*, 18(4): 298-304; Oct 2005.
- 12) **Berkson E**, Kolb E. "Orthopaedics" in Deziel D., et. al. Rush University Review of Surgery. 4th Edition. *In Press*.
- 13) **Berkson E**, "Extremity Fractures" in Millikan K., Saclarides T. Common Surgical Diseases: An Algorithmic Approach to Problem Solving. 2nd Edition. *In Press*.
- 14) **Berkson E**. "Hip Fractures" in Millikan K., Saclarides T. Common Surgical Diseases: An Algorithmic Approach to Problem Solving. 2nd Edition. *In Press*.
- 15) Chuckpaiwong B, **Berkson E**, Theodore G. "A Retrospective review of Arthroscopic OCDs" Submitted to *Foot & Ankle*.

- 16) **Berkson E**, Lee G, Kumar A, Verma N, Bach B, Hallab N. The Effect of Cyclic Loading on Rotated Bone-Tendon-Bone Anterior Cruciate Ligament Graft Constructs. *Am J Sports Med* Epub ahead of publication May 9, 2006.
- 17) **Berkson E**, Virkus W. "High-Energy Tibial Plateau Fractures" *Journal of American Academy of Orthopaedic Surgeons*, 14(1) 20-31; January 2006.
- 18) **Berkson E**, Theodore G. "Heel Pain" in Core Knowledge in Orthopaedics, *In Press*.
- 19) Asnis P, **Berkson E**, Gill, T. "The Pediatric Shoulder" in Andrews J, Wilk K. The Athlete's Shoulder. 2nd edition, *In Press*.
- 20) **Berkson E**, Alyward R, Zachazewski J, Paradiso J, Gill T. "IMU arrays: The Biomechanics of Baseball Pitching" *Orthopaedic Journal at Harvard Medical School*. *In press*.
- 21) Warner JP, Millett P, Higgins L, Pennington S, **Berkson E**, Lavery K. Video: "Total Shoulder Arthroplasty: The anatomic technique" Submitted to AAOS 2006.
- 22) Warner JP, Pennington S, **Berkson E**, Lavery K. Video: "AC Arthroplasty: The Windshield Wiper Technique". Submitted to AAOS 2006.
- 23) **Berkson E**, Newman DJ, Wu R, Krebs D, Jackson DK. "The Equilibrium Point Hypothesis and Human False Platform Jumping" Submitted to *Gait and Posture*.

PRESENTATIONS

- | | |
|---------------------------------|--|
| July 2005 Boston, MA | Berkson E The Biomechanics of Pitching <i>Massachusetts General Hospital, Sports Medicine Conference</i> |
| December 2005 Boston, MA | Berkson E Sports Medicine Foot & Ankle <i>Massachusetts General Hospital, Podiatry Grand Rounds</i> |
| June 2005 Chicago, IL | Berkson E Rotation of Bone Tendon Bone Constructs in ACL Reconstruction. <i>Rush University Department of Orthopaedics, Thesis Day</i> |
| May 2005 Chicago, IL | Berkson E Rotation of Bone Tendon Bone Constructs in ACL Reconstruction. <i>Orthopaedic Resident's Education Forum</i> |
| March 2004 San Francisco, CA | Berkson E , Kolb E, Cole B, Garreston R, Farr J, Fregley B. The Effects of Medial Meniscal Transplantation Techniques on Intra-articular Contact Pressures. <i>American Academy of Orthopaedic Surgeons, 71st Annual Meeting</i> . |
| March 2003 New Zealand | Mazzocca A, Berkson E , Cohen M, Nicholson G, Romeo A. Clinically Relevant Morphology of the Proximal Radius. <i>International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine</i> . |

- February 2003
New Orleans, LA Mazzocca A, Fabrise B, **Berkson E**, Lorenz E, Cohen M. Nicholson G, Romeo A.
The Anatomic and Biomechanical Evaluation of the Bicipital Tuberosity
and Interference Screw Fixation of the Distal Biceps Tendon.
*American Orthopaedic Society for Sports Medicine Specialty Day,
American Academy of Orthopaedic Surgeons, 70th Annual Meeting*
- March 2000
Orlando, FL Martell J, **Berkson E**, Jacobs J.
Poster: The Performance of 2D vs. 3D Computerized Wear Analysis in Total Hip
Arthroplasty.
American Academy of Orthopaedic Surgeons. 67th Annual Meeting.
- April 1999
Boston, MA McKinsey J, **Berkson E**.
“What Do You Do Next?” A Multimedia Interactive Computer Based Case Study.
Association for Surgical Education
- June 1998
Montreal, Canada Towle V, Khorasani L, **Berkson E**, David C.
Poster: Human ECoG Patterns Separate Superficial and Deep Sources.
4th International Conference on Functional Mapping of the Human Brain.
- March 1998
Washington, D.C. **Berkson E**, Samenow C.
Adolescent Substance Abuse Prevention Program Interactive Training Session.
AMSA National Conference.
- August 1997
Chicago, IL Khorasani L, David C, **Berkson E**, Towle V.
“Functional Mapping of Human Cortex: Invasive and Non-invasive Techniques”.
American Society of Neurophysiologic Monitoring Scientific Program.
- March 1997
Orlando, FL **Berkson E**, Samenow C.
Poster: Adolescent Substance Abuse Prevention: A New Forefront for Prevention.
AMSA National Conference.
- October 1997
Chicago, IL **Berkson E**, Quinones V., Samenow C.
“An Introduction to the Adolescent Substance Abuse Prevention Program.”
The American Medical Student Association Region VI Conference.
- August 1995
Chicago, IL **Berkson E**.
“Imaging Neural Synchrony: Inter-Electrode Coherence within Human Cortical
Surface Recordings.” *Student Summer Research Forum Presentation.* University of
Chicago.

Work Experience

- 2004 Department of Labor, Office of Workers Compensation, *District Medical Advisor*
- 1998 Department of Vascular Surgery, University of Chicago Communication
Computerized Case Presentation Program, *Programmer*
- 1996 Neuroanatomy Web Project, *Author and Programmer*
- 1995 University of Chicago Department of Computer Science, *Computer Consultant*
- 1995 Southwest Suburban EMS Consortium, *Database Developer*
- 1991 Greater Waltham Area Special Olympics, *Assistant Swim Coach*

Leadership Experience

- 1996-1999 Adolescent Substance Abuse Prevention Program,
National Program Director & Founder
- 1999 Advanced Clinical Diagnosis, *Teaching Assistant*
- 1991-1994 *Quadrivium: The Undergraduate Journal of Science at Brandeis University,*
Founder & Publishing Editor
- 1990-1994 Brandeis Varsity Swimming Team (Captain 1993, 1994)
- 1990-1994 Brandeis Waterpolo (Captain 1994)