
ANDREW LAWRENCE CHEN, M.D., M.S.

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Education

- The Johns Hopkins School of Medicine** Baltimore, Maryland Sept. 1993-May 1997
Doctor of Medicine: May 1997
- The Johns Hopkins School of Medicine** Baltimore, Maryland Sept. 1989-May 1994
Master of Science, Materials Science and Engineering: May 1994
- The Johns Hopkins School of Medicine** Baltimore, Maryland Sept. 1989-May 1993
Bachelor of Arts, Biology: May 1993

Professional Training

- **Steadman-Hawkins Sports medicine Foundation** Vail, Colorado July 2003-August 2004
Fellow, Sports Medicine
- **Musculoskeletal Research Center, NYU-Hospital for Joint Diseases** New York, New York June 1999-June 2000
Research Fellow
- **NYU-Hospital for Joint Diseases** New York, New York June 1997-June 2003
Resident, Orthopaedic Surgery

Honors and Awards

Undergraduate/Graduate

- Graduated 1st in class, G.W.C. Whiting School of Engineering 1994
Department of Materials Science and Engineering
- Phi Beta Kappa National Honor Society 1993
- Material Science Engineering Honor Society, Chapter President 1992-1993
- Tau Beta Pi National Engineering Honor Society, Chapter Vice President 1992
- National Science Foundation Research Fellowship 1991
- NIH Intramural Research Training Award, NICHD 1990
- Maryland Senatorial Scholarship 1989-1993
- Maryland Distinguished Scholar 1989-1993
- United States Department of Defense Research Internship Award 1988-1989

Medical School

- Johns Hopkins School of Medicine Admissions Committee 1996-1997
- Baltimore Medical Society Scholar 1994-1997
- Maryland Senatorial Scholarship 1993-1997

Residency

- Chief Resident Teacher of the Year 2003
- Executive Chief Resident, New York University—Hospital for Joint Diseases Department of Orthopaedic Surgery 2002-2003
- Reicher Award for Basic Science Research 2001
Chen AL, Fang C, Leslie MP, Di Cesare PE. *Expression of Bone*

Morphogenetic Protein, Receptors, and Tissue Inhibitors in Human Fetal and Adult Articular Cartilage.

- Frauenthal Award for Clinical Research 2001
Maurer SG, Chen AL, Hiebert R, Pak KI, Di Cesare PE. *Blood Loss During Primary, Unilateral Total Hip Arthroplasty: A Comparison of Spinal Versus General Anesthesia.*
- Frauenthal Award for Clinical Research 2000
Joseph TN, Mujtaba M, Chen AL, Maurer SL, Zuckerman JD, Maldjian C, Di Cesare PE. *Efficacy of Combined Technetium-99m Sulfur Colloid/Indium-111 Leukocyte Scans to Detect Infected Total Hip and Knee Arthroplasties.*

Experience

- **American Orthopaedics Society for Sports Medicine** 2009 to Present
Delegate, State of New Hampshire
- **United States Olympic Training Center**, Colorado Springs, Colorado June, 2009
Volunteer Physician, Performance Services
- **United States Ski Jumping** 2008 to Present
Head Team Physician
- **United States Ski Team** 2003 to Present
Team Physician
- **Depuy-Mitek**, Raynham, Massachusetts 2009 to Present
Physician Advisory Board
- **Plymouth State University**, Plymouth, New Hampshire 2009 to Present
Adjunct Professor
- **Bretton Woods Ski Adaptive Program**, Bretton Woods, New Hampshire 2007 to 2008
Board of Directors
- **The Alpine Clinic**, Littleton, New Hampshire 2006 to Present
Founding Member, Attending Orthopaedic Surgeon
- **Littleton Orthopaedics**, Littleton, New Hampshire 2004 to 2006
Attending Orthopaedic Surgeon
- **Gerson Lehrman Group**, New York, New York 2004 to Present
Council of Advisors, Medical Board Consultant
- **Verimed Healthcare**, Naples, Florida 2003 to Present
- **Colorado Rockies Major League Baseball Team**, Denver Colorado 2003 to 2004
Assistant Team Physician
- **Denver Broncos, National Football League, Denver**, Colorado 2003 to 2004
Assistant Team Physician
- **Maison Square Garden**, New York, New York 1999 to 2003
Staff Physician
Stadium staff physician for sporting events (New York Knicks, New York Rangers, college basketball, professional wrestling, boxing, tennis, etc.), concerts, and shows.

- **New York Mets, Shea Stadium, Queen, New York** 2000 to 2003
Assistant Physician
Stadium Staff physician for New York Mets Professional baseball games.
- **Alivin Ailey Dance Company, New York, New York** 1997 to 2003
Assistant Physician
Assisted in the care of dancers and performance injuries

Professional Licensure and Certification

- **Medicare Provider**
Provider C509868
- **USMLE**
STEP 1 passed September 1995
STEP 2 passed March 1997
STEP 3 passed May 1998
- **ABOS Board Certification**
ABOS part 1 certification July 18, 2003
ABOS part 2 certification July 28, 2006
- **DEA Licensure**
Federal DEA (Number furnished upon request)
Issued May 22, 2003
- **State of New Hampshire**
License # 12418
Issued August 4, 2004
- **State of Colorado**
License # 41556
Issued May 6, 2003
Expired May 31, 2005
- **State of New York**
License # 212203-01
Issued May 30, 1999
Expired April 30, 2004
- **Basic Life Support**
Certified April 2001
- **Advanced Cardiac Life Support**
Certified June 1997

Professional Memberships and Associations

- American Association of Orthopaedic Surgeons
- American Orthopaedic Society for Sports Medicine
- New England Shoulder and Elbow Society
- New England Orthopaedic Society
- New Hampshire Medical Society
- United States Ski Jumping
- United States Ski Team
- Team Physician, Vancouver 2010 Winter Olympics, United States Ski Jumping

Peer-Reviewed Publications

1. Chen AL, Wagner JW, Hungerford DS. *Examination of Surface Roughness of the Prosthetic Femoral Head*. Technical monograph, Howmedica, Inc., Allendale, NJ, 1993.
2. Chen AL. *Laser-based Coherent Imaging and High-Frequency Image Enhancement: An Examination of the Prosthetic Femoral Head Surface*. Master's thesis, Johns Hopkins University Press, Baltimore, MD, 1994.
3. Chen AL, Rose DJ, Desai P. *Arthroscopic Diagnosis and Management of Ochronotic Arthropathy of the Knee*. *Arthroscopy*, 17(8): 869-873, 2001.
4. Chen AL, Mujtaba M, Zuckerman JD, Jeong G, Joseph TN, Wright K, Di Cesare PE. *Mid-term Clinical and Radiographic Results with the Genesis I Total Knee Prosthesis*. *Journal of Arthroplasty*, 16(8):1055-1062, 2001.
5. Joseph TN, Mujtaba M, Chen AL, Maurer SL, Zuckerman JD, Maldjian C, Di Cesare PE. *Efficacy of Combined Technetium-99m Sulfur Colloid/Indium-111 Leukocyte Scans to Detect Infected Total Hip and Knee Arthroplasties*. *Journal of Arthroplasty*, 16(6):753-8, 2001.
6. Chen AL, Koval KJ. *Elder Abuse: The Role of the Orthopaedist in Diagnosis and Management*. *Journal of the American Academy of Orthopaedic Surgeons*, 10(1): 25-31, 2002.
7. Chen AL, Tejwani NC, Kummer FJ, Egol KA, Wolinsky PR, Koval KJ. *The Effect of Distal Screw Orientation on the Fixation Stability of Tibial Intramedullary Nails*. *Bulletin of the Hospital for Joint Diseases*, 60(2): 80-83, 2002.
8. Chen AL, Joseph TN, Kummer FJ, Egol KA, Wolinsky PR, Tejwani NC, Koval KJ. *Fixation Stability of Comminuted Humeral Shaft Fractures: Locked Intramedullary Nailing versus Plate Fixation*. *Journal of Trauma*, 53(4):733-737, 2002.
9. Chen AL, Desai P, Adler EM, Di Cesare PE. *Granulomatous Inflammation after Hylan G-F 20 Viscosupplementation of the Knee*. *Journal of Bone and Joint Surgery American*, 84-A:1142-1147, 2002.
10. Chen AL, Wolinsky PR, Tejwani NC. *Hypogastric Artery Disruption with Acetabular Fracture*. *Journal of Bone and Joint Surgery American*, 85-A:333-338, 2003.
11. Chen AL, Joseph TJ, Zuckerman JD. *Rheumatoid Arthritis of the Shoulder*. *Journal of the American Academy of Orthopaedic Surgeons*, 11:12-24, 2003.
12. Chen AL, Youm T, Ong BC, Rafii M, Rokito AS. *Current Concepts: Imaging of the Elbow in the Overhead Throwing Athlete*. *American Journal of Sports Medicine*, 31(3):466-473, 2003.
13. Chen AL, Rokito AS, Zuckerman JD: *The Role of the Acromioclavicular Joint in Shoulder Impingement Syndrome*. *Clinics in Sports Medicine*, 22(2):343-358, 2003.

14. Chen AL, Ong BC, Rose DJ. *Arthroscopic Management of Spinoglenoid Cysts associated with SLAP Lesions and Suprascapular Neuropathy*. *Arthroscopy*, 19(6): E53 2003.
15. Chen AL, Spivak JB. *Degenerative Lumbar Spinal Stenosis*. *Physician and Sports Medicine*, 31(8):25-34, 2003.
16. Chen AL, Egol KA, Zuckerman JD, Koval KJ. *Clinical Pathway for Hip Fractures in the Elderly: The Hospital for Joint Disease Experience*. Manuscript accepted for publication, *Clinical Orthopaedics and Related Research*, 2003.
17. Chen AL, Shapiro JA, Ahn A, Zuckerman JD, Cuomo F. *Rotator Cuff Repair in the Diabetic Shoulder*. *Journal of Shoulder and Elbow Surgery*, 12(5):416-421, 2003.
18. Chen AL, Fang C, Leslie MP, Di Cesare PE. *Expression of Bone Morphogenetic Protein, Receptors, and Tissue Inhibitors in Human Fetal and Adult Articular Cartilage*. *Journal of Orthopaedic Research*, 22(6):1188-1192, 2004.
19. Chen AL, Mears SC, Hawkins RJ. *Care of the Aging Athlete*. *Journal of the American Academy of Orthopaedic Surgeons*, 13: 407-416, 2005.
20. Chen AL, Hunt SA, Hawkins RJ, Zuckerman JD. *Osseous Deficiencies Associated with Recurrent Anterior Glenohumeral Instability*. *American Journal of Sports Medicine*, 33(6):912-925, 2005.
21. Chen AL, Bosco JA 3rd. *Glenohumeral Bone Loss and Anterior Instability*. *Bulletin of the Hospital for Joint Diseases*, 64:130-138, 2006.
22. Chen AL, Bain EB, Horan MP, Hawkins RJ. *Determinants of Patient Satisfaction with Outcome after Shoulder Arthroplasty*. *Journal of Shoulder and Elbow Surgery*, 16:25-30, 2006.
23. Chen AL, Rich VJ, Barry E, Ciotti A, Sterett WI. *Angular Variation of Single Versus Double-leg Stance Radiographs*. Manuscript in press, *Journal of Knee Surgery*, 2009.
24. Jazrawi LM, Chen AL, Stein D, Heywood CS, Bernstein A, Steiner G, Rokito A. *The Effects of Radiofrequency Bipolar Thermal Energy on Human Meniscal Tissue*. *Bulletin of the Hospital for Joint Diseases*, 61:114-117, 2003.
25. Jeong GK, Chen AL, Tejwani NC, Wolinsky PR: *The Management of Complex Open Wounds Using a Negative Pressure Dressing and Suture Tension Device*. Manuscript accepted for publication, *Journal of Trauma*, 2003.
26. Joseph TN, Chen AL, Kummer FJ, Koval KJ. *The Effect Of Posterior Sag On The Fixation Stability of Intertrochanteric Hip Fractures*. *Journal of Trauma*, 52(3):544-547, 2002.
27. Joseph TN, Chen AL, Di Cesare PE. *Use of Antibiotic-Impregnated Cement in Total Joint Arthroplasty*. *Journal of the American Academy of Orthopaedic Surgeons*, 11:38-47, 2003.
28. Kauffman J, Chen AL, Stuchin S, Di Cesare PE. *Surgical Management of the Rheumatoid Elbow*. *Journal of the American Academy of Orthopaedic Surgeons*, 11:100-108, 2003.
29. Koval KJ, Chen AL, Aharonoff GB, Egol KA, Zuckerman JD. *Clinical Pathway for Hip*

Fractures in the Elderly: the Hospital for Joint Disease Experience. Clinical Orthopaedics and Related Research, 425:72-81.

30. Marino AA, Dunn S, Waddell DD, Chen AL, Desai P, Adler EM, Di Cesare PE. *Granulomatous Inflammation after Hylan G-F 20 Viscosupplementation of the Knee.* Journal of Bone and Joint Surgery American, 85-A(10):2051-2053, 2003.
31. Maurer SG, Chen AL, Hiebert R, Pereira G, Di Cesare PE. *Comparison of Outcomes of Using Spinal versus General Anesthesia in Total Hip Arthroplasty.* American Journal of Orthopedics, 36(7):101-106, 2007.
32. Mont MA, Etienne G, Chen AL, Desai P, Adler EM, Di Cesare PE. *Sequelae of hylan g-f 20 viscosupplementation of the knee.* Journal of Bone and Joint Surgery American 85-A(5):967-9, 2003.
33. Morton AH, Shannon P, Chen AL, Di CEare PE, Adler EM, Leopold SS, Warme WJ, Pettis PD, Shott S. *Increased Frequency of Acute Local Reaction to Intra-articular Hylan G-F 20 (Synvisc) in Patients Receiving More than One Course of Treatment.* Journal of Bone and Joint Surgery American 85-A(10):2050-2051, 2003.
34. Parikh, S, Chen AL, Ergas E. *Localized Pigmented Villonodular Synovitis: Arthroscopic Diagnosis and Management of an "Invisible Lesion."* Arthroscopy, 18:31E, 2002.
35. Preston C, Chen AL, Tejwani NC. *Posterior Dislocation of the Elbow with Concomitant Fracture of the Proximal Ulnar Diaphysis and Radial Head- A Complex Variant of the Posterior Monteggia Lesion.* Journal of Orthopaedic Trauma, 17:530-533, 2003.
36. Schacter AK, Chen AL, Reddy PD, Tejwani NC: *Osteochondral Lesions of the Talus: Current Trends in Management.* Journal of the American Academy of Orthopaedic Surgeons, 13(3):152-158, 2005.
37. Schlegel T, Faber K, Chen AL, Hawkins RJ. *The Effect of Postoperative Immobilization on the Healing of Radiofrequency Heat Probe Modified Tissue: Assessment of Tissue Length, Stiffness, and Morphology.* Orthopedics, 31(2):134, 2008.
38. Youm T, Chen AL. *Lateral Discoid Meniscus: Evaluation and Treatment.* American Journal of Orthopedics, 33(5):234-238, 2004.
39. Youm T, Hommen JP, Ong BC, Chen AL. *Os Acromiale: Evaluation and Treatment.* American Journal of Orthopaedics, 34(6):277-283, 2005.

Manuscripts in Preparation

1. Chen AL, Sterett WI, Wing BA, O'Brien I, Steadman JR. *Second-Look Arthroscopy Of Chondral Lesions Treated With Microfracture And Valgus High Tibial Osteotomy.* Manuscript in preparation for submission to the American Journal of Sports Medicine, 2009.
2. Chen AL, Briggs K, Bradford C, Steadman JR. *The Association between ACL Tear Location and*

Clinical and Surgical Parameters. Manuscript in preparation for submission to the Journal of Bone and Joint Surgery, 2009.

3. Chen AL, O'Neill DF, Wilk K, Swartz E, King M. *Correlation of Core Stability and Strength and Performance in Elite Ski Jumpers*. Manuscript in preparation for submission to Medicine, Science, and Sports Exercise, 2010.
4. Chen AL. *Systemic Changes in the Aging Athlete*. In Chen, AL, Hawkins RJ, eds. *Musculoskeletal Care of the Mature Athlete*. Textbook in preparation for publication, 2010.
5. Chen AL. *Introduction to the Aging Athlete*. In Chen, AL, Hawkins RJ, eds. *Musculoskeletal Care of the Mature Athlete*. Textbook in preparation for publication, 2010.
6. Chen AL. *Nutritional Considerations, Supplements, and Anti-inflammatories*. In Chen, AL, Hawkins RJ, eds. *Musculoskeletal Care of the Mature Athlete*. Textbook in preparation for publication, 2010.

Published Abstracts

1. Tsao AK, Jones LC, Choung SC, Chen AL, Banes D, Opishinski D, Lavernia CJ, Hungerford DS. *Quantitative Characterization of Particulate Polyethylene Wear Debris from Failed Total Joint Arthroplasties*. Proceedings of the 19th Annual Meeting of the Society for Biomaterials, 1993.
2. Chen AL, Wagner JW, Jones LC, Hungerford DS. *Laser-Based Coherent Imaging and High-Frequency Image Enhancement: An Examination of the Prosthetic Femoral Head Surface*. Proceedings of the 40th Annual Proceedings of the Orthopaedic Research Society. New Orleans, Louisiana, 1994.
3. Chen AL, Morrison RS, Magaziner J, Gilbert M, Siu A, Strauss E, Koval KJ. *Pain and Delirium in Elderly Hip Fracture Patients*. Proceedings of the 16th Annual Meeting of the Orthopaedic Trauma Association. San Antonio, Texas, 2000.
4. Chen AL, Fang C, Leslie MP, Di Cesare PE. *Expression of Bone Morphogenetic Protein, Receptors, and Tissue Inhibitors in Human Fetal and Adult Articular Cartilage*. Proceedings of the 34th Annual Res. Conference of the American Orthopaedic Association. Hershey, Pennsylvania, 2001.
5. Chen AL, Joseph TN, Kummer FJ, Egol KA, Wolinsky PR, Tejwani NC, Koval KJ. *Fixation Stability of Comminuted Humeral Shaft Fractures: Locked Intramedullary Nailing versus Plate Fixation*. Proceedings of the 34th Annual Res. Conference of the American Orthopaedic Association. Hershey, Pennsylvania, 2001.
6. Chen AL, Morrison RS, Magaziner J, Gilbert M, Siu A, Strauss E, Koval KJ. *Pain and Delirium in Elderly Hip Fracture Patients*. Proceedings of the 68th Annual Meeting of the American Academy of Orthopaedic Surgeons. San Francisco, California, 2001.
7. Chen AL, Maurer SG, Hiebert R, Pak KI, Di Cesare PE. *Blood Loss During Primary, Unilateral Total Hip Arthroplasty: A Comparison of Spinal Versus General Anesthesia*.

Proceedings of the 114th Annual Meeting of the American Orthopaedic Association. Palm Beach, Florida, 2001.

8. Chen AL, Mujtaba M, Zuckerman JD, Jeong G, Joseph TN, Wright K, Di Cesare PE. *Mid-term Results of Posterior Cruciate Retaining Primary Total Knee Arthroplasty Using a Minimally Conforming, Modular Polyethylene Insert*. Proceedings of the 34th Annual Res. Conference of the American Orthopaedic Association, Hershey, Pennsylvania, 2001.
9. Chen AL, Richmond JR, Morrison RS, Magaziner J, Gilbert M, Siu A, Strauss E, Koval KJ. *Confusion Clarified: Delirium after Hip Fracture*. Proceedings of the 17th Annual Meeting of the Orthopaedic Trauma Association. San Diego, California, 2001.
10. Chen AL, Shapiro JA, Weil WM, Neustein S, Zuckerman JD, Cuomo F. *Rotator Cuff Repair in the Diabetic Shoulder*. Proceedings of the the Annual Closed Meeting of the American Shoulder and Elbow Society, Napa Valley, California, 2001.
11. Jazrawi LM, Chen AL, Stein D, Bernstein A, Steiner G, Rokito A. *The Effects of Radiofrequency Bipolar Thermal Energy on Human Meniscal Tissue*. Proceedings of the 20th Annual Meeting of the Arthroscopy Association of North America. Seattle, Washington, 2001.
12. Chen AL, Shapiro JA, Cuomo F. *Outcomes in Patients Undergoing Subacromial Decompression with Preoperative Loss of Motion*. Proceedings of the 69th Annual Meeting of the American Academy of Orthopaedic Surgeons. Dallas, Texas, 2002.
13. Chen AL, Fang C, Leslie MP, Di Cesare PE. *Differential Expression of BMPs, Receptors, and Tissue Inhibitors in Human Fetal, Osteoarthritic, and Normal Adult Articular Cartilage*. Proceedings of the 69th Annual Meeting of the American Academy of Orthopaedic Surgeons. Dallas, Texas, 2002.
14. Chen AL, Joseph TN, Tejwani NC, Kummer FJ, Egol KA, Wolinsky PR, Koval KJ. *Stability of Locked Intramedullary Nailing Versus Plate Fixation of Comminuted Humeral Shaft Fractures*. Proceedings of the 69th Annual Meeting of the American Academy of Orthopaedic Surgeons. Dallas, Texas, 2002.
15. Chen AL, Shapiro JA, Weil WM, Zuckerman JD, Cuomo F. *Repair of the Diabetic Rotator Cuff*. Proceedings of the 3rd Biennial Shoulder and Elbow Meeting, Orlando, Florida, 2002.
16. Chen AL. *Postoperative Care of the Orthopaedic Trauma Patient and Removal of Hardware*. Proceedings of the AO-ASIF Team Approach to Orthopaedic Trauma, Basic Course, Smithtown, New York, 2002.
17. Koval KJ, Chen AL, Morrison RS, Magaziner J, Gilbert M, Siu A, Strauss E. *Functional Outcome After Surgical Fixation of Hip Fractures*. Proceedings of the 18th Annual Meeting of the Orthopaedic Trauma Association, Toronto, Canada, 2002
18. Ahmed IS, Chen AL, Dayan A. *Osteonecrosis: A Sequela of HIV Infection?* Proceedings of the Society of Military Orthopaedic Surgeons, San Diego, California, 2002.

19. Chen AL, Halm EA, Koval KJ. *Active Clinical Issues and New Impairments on Hospital Discharge Increases Adverse Outcomes in Elderly Patients Hospitalized for Hip Fracture*. Proceedings of the 70th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, 2003.
20. Chen AL, Egol KA, Zuckerman JD, Koval KJ. *A Clinical Pathway for Hip Fractures. The Hospital for Joint Diseases Experience*. Clinical Symposium: Proceedings of the 70th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, 2003.
21. Chen AL, McLaughlin MA, Orosz GM, Magaziner J, Morrison RS, Siu A, Koval KJ. *Pre-operative Status and Risk of Complications in Elderly Patients Undergoing Surgery for Hip Fracture*. Proceedings of the 70th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, 2003.
22. Chen AL, Morrison RS, Magaziner J, Siu A, Strauss E, Koval KJ. *Hip Fracture in the Elderly: Delay in Hospitalization and Surgical Repair*. Proceedings of the 70th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, 2003.
23. Chen AL, Morrison RS, Magaziner J, McLaughlin MA, Orosz GM, Siu A, Koval KJ. *The Impact of Post-operative Pain on Outcomes Following Hip Fracture in the Geriatric Population*. Proceedings of the 70th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, 2003.
24. Chen AL. *Nutrition, Supplements, and Anti-Inflammatories*. Proceedings of AAOS Course #3106: Musculoskeletal Care of the Mature Athlete, Hilton Head, South Carolina, 2007.
25. Chen AL. *Staying Healthy: Nutritional Supplements and Anti-Inflammatories*. Proceedings of AAOS Course #3106: Boomeritis: Musculoskeletal Care of the Mature Athlete, Hilton Head, South Carolina, 2008.
26. Chen AL. *Staying Healthy: Good Nutrition, Nutritional Supplements, and Anti-Inflammatories*. Podium presentation at AAOS Course #3307: Musculoskeletal Care of the Mature Athlete, Hilton Head, South Carolina, 2009.
27. Chen AL. *Return to Activities after Total Joint Arthroplasty*. Podium presentation at AAOS Course #3307: Musculoskeletal Care of the Mature Athlete, Hilton Head, South Carolina, 2009.

Books

1. Chen AL, Hawkins RJ, eds. *Musculoskeletal Care of the Mature Athlete*. Rosemont, IL, American Academy of Orthopaedic Surgeons, 2010.

Book Chapters

1. Chen AL, Zuckerman JD. *Humeral head impression fractures and head-splitting Fractures*. In: Zuckerman JD, Koval KJ, eds: *Shoulder Fractures: Practical Guide to Management*. New York, Thieme. Pp 120-146, 2005.

2. Chen AL. *Good Nutrition, Nutritional Supplements, and Anti-Inflammatories*. In: Chen AL, Hawkins RJ, eds: *Orthopaedic Care of the Mature Athlete*. Rosemont, IL, American Academy of Orthopaedic Surgeons, 2010.
3. Chen AL. *The Mature Athlete: Introduction and Demographics*. In: Chen AL, Hawkins RJ, eds: *Orthopaedic Care of the Mature Athlete*. Rosemont, IL, American Academy of Orthopaedic Surgeons, 2010.
4. Chen AL. *Basic Science: Systemic Changes with Aging in the Mature Athlete*. In: Chen AL, Hawkins RJ, eds: *Orthopaedic Care of the Mature Athlete*. Rosemont, IL, American Academy of Orthopaedic Surgeons, 2010.

Video Productions

1. Chen AL, Ramappa A, Hawkins RJ, Frankel M. *The Encore RSP: Surgical Technique*. Presented at the Encore Medical Annual Meeting, Bachelor Gulch, Colorado, 2004.
2. Chen AL, Ramappa A, Horan ML, Hawkins RJ, Frankel M. *Reverse Total Shoulder Arthroplasty*. Presented at the 72nd Annual Meeting of the American Academy of Orthopaedic Surgeons, Washington, D.C., 2005.

National/International Presentations

1. Tsao AK, Jones LC, Choung SC, Chen AL, Banes D, Opishinski D, Lavernia CJ, Hungerford DS. *Quantitative Characterization of Particulate Polyethylene Wear Debris from Failed Total Joint Arthroplasties*. Poster exhibit presented at the 19th Annual Meeting of the Society for Biomaterials, 1993.
2. Chen AL, Wagner JW, Jones LC, Hungerford DS. *Laser-Based Coherent Imaging and High-Frequency Image Enhancement: An Examination of the Prosthetic Femoral Head Surface*. Poster exhibit presented at the 40th Annual Proceedings of the Orthopaedic Research Society. New Orleans, Louisiana, 1994.
3. Chen AL, Morrison RS, Magaziner J, Gilbert M, Siu A, Strauss E, Koval KJ. *Pain and Delirium in Elderly Hip Fracture Patients*. Poster exhibit presented at the 16th Annual Meeting of the Orthopaedic Trauma Association. San Antonio, Texas, 2000.
4. Chen AL, Fang C, Leslie MP, Di Cesare PE. *Expression of Bone Morphogenetic Protein, Receptors, and Tissue Inhibitors in Human Fetal and Adult Articular Cartilage*. Scientific paper presentation at the 34th Annual Res. Conference of the American Orthopaedic Association. Hershey, Pennsylvania, 2001.
5. Chen AL, Joseph TN, Kummer FJ, Egol KA, Wolinsky PR, Tejwani NC, Koval KJ. *Fixation Stability of Comminuted Humeral Shaft Fractures: Locked Intramedullary Nailing versus Plate Fixation*. Scientific paper presentation at the 34th Annual Res. Conference of the American Orthopaedic Association. Hershey, Pennsylvania, 2001.

6. Chen AL, Morrison RS, Magaziner J, Gilbert M, Siu A, Strauss E, Koval KJ. *Pain and Delirium in Elderly Hip Fracture Patients*. Poster exhibit presented at the 68th Annual Meeting of the American Academy of Orthopaedic Surgeons. San Francisco, California, 2001.
7. Chen AL, Maurer SG, Hiebert R, Pak KI, Di Cesare PE. *Blood Loss During Primary, Unilateral Total Hip Arthroplasty: A Comparison of Spinal Versus General Anesthesia*. Scientific paper presentation at the 114th Annual Meeting of the American Orthopaedic Association. Palm Beach, Florida, 2001.
8. Chen AL, Mujtaba M, Zuckerman JD, Jeong G, Joseph TN, Wright K, Di Cesare PE. *Mid-term Results of Posterior Cruciate Retaining Primary Total Knee Arthroplasty Using a Minimally Conforming, Modular Polyethylene Insert*. Scientific paper presentation at the 34th Annual Res. Conference of the American Orthopaedic Association, Hershey, Pennsylvania, 2001.
9. Chen AL, Richmond JR, Morrison RS, Magaziner J, Gilbert M, Siu A, Strauss E, Koval KJ. *Confusion Clarified: Delirium after Hip Fracture*. Poster exhibit presented at the 17th Annual Meeting of the Orthopaedic Trauma Association. San Diego, California, 2001.
10. Chen AL, Shapiro JA, Weil WM, Neustein S, Zuckerman JD, Cuomo F. *Rotator Cuff Repair in the Diabetic Shoulder*. Scientific paper presentation at the Annual Closed Meeting of the American Shoulder and Elbow Society, Napa Valley, California, 2001.
11. Jazrawi LM, Chen AL, Stein D, Bernstein A, Steiner G, Rokito A. *The Effects of Radiofrequency Bipolar Thermal Energy on Human Meniscal Tissue*. Scientific paper presentation at the 20th Annual Meeting of the Arthroscopy Association of North America. Seattle, Washington, 2001.
12. Chen AL, Shapiro JA, Cuomo F. *Outcomes in Patients Undergoing Subacromial Decompression with Preoperative Loss of Motion*. Poster exhibit presented at the 69th Annual Meeting of the American Academy of Orthopaedic Surgeons. Dallas, Texas, 2002.
13. Chen AL, Fang C, Leslie MP, Di Cesare PE. *Differential Expression of BMPs, Receptors, and Tissue Inhibitors in Human Fetal, Osteoarthritic, and Normal Adult Articular Cartilage*. Poster exhibit presented at the 69th Annual Meeting of the American Academy of Orthopaedic Surgeons. Dallas, Texas, 2002.
14. Chen AL, Joseph TN, Tejwani NC, Kummer FJ, Egol KA, Wolinsky PR, Koval KJ. *Stability of Locked Intramedullary Nailing Versus Plate Fixation of Comminuted Humeral Shaft Fractures*. Poster exhibit presented at the 69th Annual Meeting of the American Academy of Orthopaedic Surgeons. Dallas, Texas, 2002.
15. Chen AL, Shapiro JA, Weil WM, Zuckerman JD, Cuomo F. *Repair of the Diabetic Rotator Cuff*. Scientific paper presentation at the 3rd Biennial Shoulder and Elbow Meeting, Orlando, Florida, 2002.
16. Chen AL. *Postoperative Care of the Orthopaedic Trauma Patient and Removal of Hardware*. Instructional lecture presentation at the AO-ASIF Team Approach to Orthopaedic Trauma, Basic Course, Smithtown, New York, 2002.

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17. Koval KJ, Chen AL, Morrison RS, Magaziner J, Gilbert M, Siu A, Strauss E. *Functional Outcome After Surgical Fixation of Hip Fractures*. Scientific paper presentation at the 18th Annual Meeting of the Orthopaedic Trauma Association, Toronto, Canada, 2002
 18. Chen AL. *Hardware Removal and Postoperative Care*. Presented at the AO-ASIF Team Approach to Orthopaedic Trauma, Basic Course. Laboratory/Course Instructor. Smithtown, New York, 2002.
 19. Ahmed IS, Chen AL, Dayan A. *Osteonecrosis: A Sequela of HIV Infection?* Poster presentation at the Society of Military Orthopaedic Surgeons, San Diego, California, 2002.
 20. Chen AL, Halm EA, Koval KJ. *Active Clinical Issues and New Impairments on Hospital Discharge Increases Adverse Outcomes in Elderly Patients Hospitalized for Hip Fracture*. Scientific paper presentation at the 70th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, 2003.
 21. Chen AL, Egol KA, Zuckerman JD, Koval KJ. *A Clinical Pathway for Hip Fractures. The Hospital for Joint Diseases Experience*. Clinical Symposium presented at the 70th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, 2003.
 22. Chen AL, McLaughlin MA, Orosz GM, Magaziner J, Morrison RS, Siu A, Koval KJ. *Pre-operative Status and Risk of Complications in Elderly Patients Undergoing Surgery for Hip Fracture*. Poster exhibit presented at the 70th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, 2003.
 23. Chen AL, Morrison RS, Magaziner J, Siu A, Strauss E, Koval KJ. *Hip Fracture in the Elderly: Delay in Hospitalization and Surgical Repair*. Poster exhibit presented at the 70th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, 2003.
 24. Chen AL, Morrison RS, Magaziner J, McLaughlin MA, Orosz GM, Siu A, Koval KJ. *The Impact of Post-operative Pain on Outcomes Following Hip Fracture in the Geriatric Population*. Poster exhibit presented at the 70th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, 2003.
 25. Chen AL, Rich VJ, Barry E, Ciotti A, Sterett WI. *Angular Variation of Single Versus Double-leg Stance Radiographs*. Scientific paper presentation at the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Hollywood, Florida, 2004.
 26. Chen AL, O'Brien T, Hawkins RJ. *Determinants of Patient Satisfaction after Shoulder Arthroplasty*. Poster exhibit presented at the 72nd Annual Meeting of the American Academy of Orthopaedic Surgeons, Washington, D.C., 2005.
 27. Chen AL, Briggs K, Bradford C, Steadman JR. *The Prevalence of and Factors Associated with Proximal Tears of the ACL*. Poster exhibit presented at the Annual Meeting of the Arthroscopy Association of North America, Vancouver, B.C., 2005.
 28. Chen AL. *Nutrition, Supplements, and Anti-Inflammatories*. Podium presentation at AAOS Course #3106: Musculoskeletal Care of the Mature Athlete, Hilton Head, South Carolina,

2007.

29. Chen AL, Tokish JM, DiNubile NA, Lane JM, Goldberg V, Hawkins RJ. *Basic Science and Nonoperative Management of the Mature Athlete*. Panel discussion at AAOS Course #3106: Musculoskeletal Care of the Mature Athlete, Hilton Head, South Carolina, 2007.
30. Chen AL, Tokish JM, Hawkins RJ. *Case Presentations: Basic Science*. Case presentations and panel discussion at AAOS Course #3106: Musculoskeletal Care of the Mature Athlete, Hilton Head, South Carolina, 2007.
31. Chen AL, Tokish JM, Flatow EL, Frankle MA, Hawkins RJ. *Shoulder Problems in the Mature Athlete*. Case presentations and panel discussion at AAOS Course #3106: Musculoskeletal Care of the Mature Athlete, Hilton Head, South Carolina, 2007.
32. Chen AL. *Nutritional Considerations, Supplements, and Anti-Inflammatories*. Podium presentation at AAOS Course #3106: Musculoskeletal Care of the Mature Athlete, Hilton Head, South Carolina, 2008.
33. Chen AL, Tokish JM, DiNubile NA, Goldberg V, Hawkins RJ. *Basic Science: Management of the Mature Athlete*. Panel discussion at AAOS Course #3106: Musculoskeletal Care of the Mature Athlete, Hilton Head, South Carolina, 2008.
34. Chen AL. *Perioperative Considerations in Shoulder Arthroscopy*. Podium presentation, Beijing 2008 Pre-Olympic Sports Medicine Advancement Course, Beijing Number 3 Hospital, Beijing, China, June, 2008.
35. Chen AL, Sigman S. *Anterior Cruciate Ligament Reconstruction with Hamstrings Autograft*. Live surgical demonstration, Beijing 2008 Pre-Olympic Sports Medicine Advancement Course, Beijing Number 3 Hospital, Beijing, China, June, 2008.
36. Chen AL. *Staying Healthy: Good Nutrition, Nutritional Supplements, and Anti-Inflammatories*. Podium presentation at AAOS Course #3307: Musculoskeletal Care of the Mature Athlete, Hilton Head, South Carolina, 2009.
37. Chen AL, Trummees E, Tokish JM, DiNubile NA, Goldberg V, Hawkins RJ. *Basic Science: Management of the Mature Athlete*. Panel discussion at AAOS Course #3307: Musculoskeletal Care of the Mature Athlete, Hilton Head, South Carolina, 2009.
38. Chen AL. *Return to Activities after Total Joint Arthroplasty*. Podium presentation at AAOS Course #3307: Musculoskeletal Care of the Mature Athlete, Hilton Head, South Carolina, 2009.
39. Chen AL, Wilk K, Trummees E, Tokish JM, DiNubile NA, Goldberg V, Hawkins RJ. *Nonoperative Treatment of the Mature Athlete: Case Presentation*. Panel discussion at AAOS Course #3307: Musculoskeletal Care of the Mature Athlete, Hilton Head, South Carolina, 2009.
40. Chen AL (Moderator), Tokish JM, Goldberg V. *Debate: Treatment of the Osteoarthritic Hip in the Athlete*. Panel discussion at AAOS Course #3307: Musculoskeletal Care of the Mature

Athlete, Hilton Head, South Carolina, 2009.

41. Bettcher S, Borchers J, Chen AL, Wiley B, Winton F. *Osteochondral Defect of the Knee in Recreational Basketball*. Panel discussion at the American College of Sports Medicine Annual Meeting, Seattle, Washinton, May, 2009.
42. Blueitt D, Cassas K, Chen AL, Wiley B, Winton F. *Tibial Spine Avulsion in a Skeletally Immature Football Player*. Case discussion at the American College of Sports Medicine Annual Meeting, Seattle, Washinton, May, 2009.
43. Lahiji A, Capoor J, Ibrahim VM, Chen AL, Wiley B, Winton F. *Patellofemoral Knee Pain Associated with Ehlers-Danlos Syndrome*. Panel discussion at the American College of Sports Medicine Annual Meeting, Seattle, Washinton, May, 2009.
44. Rho ME, Press J, Chen AL, Wiley B, Winton F. *Bipartite Patella Syndrome*. Case discussion at the American College of Sports Medicine Annual Meeting, Seattle, Washinton, May, 2009.
45. Weinstein D, Chen AL. *Arthroscopic Management of Shoulder Instability*. Live surgical demonstration, Beijing 2008 Pre-Olympic Sports Medicine Advancement Course, Beijing Number 3 Hospital, Beijing, China, June, 2008.
46. Weinstein D, Chen AL. *Arthroscopic Rotator Cuff Repair*. Live surgical demonstration, Beijing 2008 Pre-Olympic Sports Medicine Advancement Course, Beijing Number 3 Hospital, Beijing, China, June, 2008.
47. Weng M, Chen AL, Wiley B, Winton F. *Multiligament Knee Injuries in Football*. Panel discussion at the American College of Sports Medicine Annual Meeting, Seattle, Washinton, May, 2009.
48. Chen AL, Reed M, Bertman AM, McCutchan E. *Team Approach to Sports Medicine at Regional, National, and International Levels of Competition*. United States Olympic Training Center, Colorado Springs Colorado, June, 2009.
49. Chen AL. *Medical Care of the Elite Skier*. United States Olympic Training Center, Colorado Springs, Colorado, June, 2009.

Regional Presentations

1. Chen AL, Mujtaba M, Zuckerman JD, Jeong G, Joseph TN, Wright K, Di Cesare PE. *Mid-term Results of PCL-Retaining Primary TKA Using a Minimally Conforming, Modular Polyethylene Insert*. Scientific paper presentation at the Sir Robert Jones Memorial lecture, Hospital for Joint Diseases, October, 2000.
2. Joseph TN, Mujtaba M, Chen AL, Maurer SL, Zuckerman JD, Maldjian C, Di Cesare PE. *Efficacy of Combined Technetium-99m Sulfur Colloid/Indium-111 Leukocyte Scans to Detect Infected Total Hip and Knee Arthroplasties*. Scientific paper presentation at the Sir Robert Jones Memorial lecture, Hospital for Joint Diseases, October, 2000.

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3. Chen AL. *Management of Bone Loss Associated with Anterior Glenohumeral Instability*. Presented at Grand Rounds, Hospital for Joint Diseases, April 2003.
 4. Chen AL, Wagner JW, Sala D, Jaffe W, Hungerford DS. *Laser-Based High-Frequency Coherent Imaging of the Prosthetic Femoral Head: A Novel Technique*. Scientific paper presentation at the 2003 Research Day, Hospital for Joint Diseases, May, 2003.
 5. Chen AL. *Osseous Deficiencies of the Shoulder and Recurrent Anterior Glenohumeral Instability: An Algorithm for Management*. Presented at Grand Rounds, Steadman-Hawkins Sports Medicine Clinic, August 2003.
 6. Chen AL, Ramappa A, Horan ML, Hawkins RJ, Frankel M. *Reverse Total Shoulder Arthroplasty*. Presented at the Steadman-Hawkins Sports Medicine Foundation Annual Fellows Meeting, July, 2004.
 7. Chen AL. *Care of the Aging Athlete*. Presented at the 14th Annual New England Women's Health Conference, Mount Washington, New Hampshire, September, 2004.
 8. Chen AL. *Injuries in the Alpine Athlete*. Presented at the Cannon Mountain Ski Patrol Orientation, New Hampshire, October, 2004.
 9. Chen AL. *Sports Medicine Injuries in Children*. Presented at the Bridge to Positive Parenting, Littleton Hospital, May, 2005.
 10. Chen AL. *Viscosupplementation for the Treatment of Osteoarthritis of the Knee*. Presented at the Mitek Advanced Arthroscopy Course, June, 2005.
 11. Chen AL. *Viscosupplementation for the Treatment of Osteoarthritis of the Knee*. Presented at the Mitek Advanced Arthroscopy Course, October, 2005.
 12. Chen AL. *Management Concepts in the Treatment of Orthopaedic Polytrauma*. Presented at the 13th Annual Emergency Medical Services Conference, Bartlett, New Hampshire, October, 2005.
 13. Chen AL. *The Arthritic Athlete*. Presented at the 15th Annual New England Women's Health Conference, Mount Washington, New Hampshire, October, 2005.
 14. Chen AL. *Functional Bracing of the ACL-deficient and Reconstructed Knee*. Presented at the Bretton Woods Ski Patrol and Instructor Meeting, New Hampshire, October, 2005.
 15. Chen AL. *Viscosupplementation for the Treatment of Osteoarthritis of the Knee*. Presented at the Mitek Advanced Knee and Shoulder Course, February, 2006.
 16. Chen AL. *Clinical Choices in the Nonoperative Treatment of Osteoarthritis of the Knee*. Presented at the New England Baptist Hospital, Boston, Massachusetts, 2006.
 17. Chen AL. *Hyaluronate Viscosupplementation of the Knee*. Presented at the New England Baptist

Hospital, Boston, Massachusetts, January 12, 2007.

18. Chen AL. *Fluid Management for Knee and Shoulder Arthroscopy.* Presented at the New England Baptist Hospital, Boston, Massachusetts, January 12, 2007.
19. Chen AL. *Intraarticular Hyaluronate Viscosupplementation for Osteoarthritis of the Knee.* Presented at the National Osteoarthritis Summit, Boston, Massachusetts, September 10, 2007.
20. Chen AL. *Viscosupplementation.* Presented at the New Hampshire Musculoskeletal Institute Winter Meeting, Stowe, Vermont, January 25, 2008.
21. Chen AL. *Hyaluronate Viscosupplementation for the Osteoarthritic Knee.* Presented at the New Hampshire Musculoskeletal Institute Annual Meeting, Bedford, New Hampshire, September 13, 2008.
22. Chen AL. *Contemporary Single-Bundle Anterior Cruciate Ligament Reconstruction.* Presented at the Mitek Advanced Arthroscopic Knee and Shoulder Course. Raynham, Massachusetts, November, 2008.
23. Chen AL. *Arthroscopic Dual Row Rotator Cuff Repair.* Presented at the Mitek Advanced Arthroscopic Knee and Shoulder Course. Raynham, Massachusetts, November, 2008.
24. Chen AL. *Nonoperative Treatment for the Osteoarthritic Knee.* Presented at the Mitek Advanced Arthroscopic Knee and Shoulder Course. Raynham, Massachusetts, November, 2008.
25. Chen AL. *Arthroscopic Treatment of Shoulder Instability: Bankart Repair, Capsular Shift, and Rotator Interval Closure.* Presented at the Mitek Advanced Arthroscopic Knee and Shoulder Course. Raynham, Massachusetts, November, 2008.
26. Chen AL. *All-Inside Meniscal Repair.* Presented at the Mitek Advanced Arthroscopic Knee and Shoulder Course. Raynham, Massachusetts, November, 2008.
27. Chen AL. *The Ski Team Physician.* Presented at the Contemporary Topics in Orthopaedics Annual Meeting, Sugarloaf, Maine. March, 2009.
28. Chen AL. *Intraarticular Hyaluronate Viscosupplementation of the Osteoarthritic Knee.* Presented at the Contemporary Topics in Orthopaedics Annual Meeting, Sugarloaf, Maine. March, 2009.
29. Chen AL. *Return to Athletics after Total Joint Arthroplasty.* Presented at Dartmouth-Hitchcock Department of Orthopaedic Surgery Grand Rounds, Lebanon, New Hampshire, May, 2009.

Course Faculty

1. AO-ASIF Team Approach to Orthopaedic Trauma, Basic Course. Smithtown, New York, June, 2002.
2. Mitek Arthroscopic Shoulder Advancement Course. Peabody, Massachusetts, April, 2005.

3. Mitek Advanced Arthroscopy Course. Orlando, Florida, June, 2005.
4. Mitek Advanced Shoulder Course. New Brunswick, New Jersey, October, 2005.
5. Mitek Advanced Knee and Shoulder Course. Orlando, Florida, February, 2006.
6. Mitek Advanced Arthroscopic Shoulder Course. New England Baptist Hospital, Boston, Massachusetts, April, 2006.
7. Mitek Advanced Arthroscopic Knee and Shoulder Course. New England Baptist Hospital, Boston, Massachusetts, January, 2007.
8. AAOS Course #3106: Musculoskeletal Care of the Mature Athlete, Hilton Head, South Carolina, 2007.
9. National Osteoarthritis Summit, Boston, Massachusetts, September, 2007.
10. New Hampshire Musculoskeletal Institute Winter Meeting, Stowe, Vermont, January , 2008.
11. AAOS Course #3106: Musculoskeletal Care of the Mature Athlete, Hilton Head, South Carolina, 2008.
12. Beijing 2008 Pre-Olympic Sports Medicine Advancement Course, Beijing Number 3 Hospital, Beijing, China, 2008.
13. New Hampshire Musculoskeletal Institute Annual Meeting, Bedford, New Hampshire, September, 2008.
14. Course Chairman. Mitek Advanced Arthroscopic Knee and Shoulder Course. Raynham, Massachusetts. November, 2008.
15. Contemporary Topics in Orthopaedics Annual Meeting, Sugarloaf, Maine. March, 2009.
16. Panel Moderator. American Academy of Orthopaedic Surgeons Course #3307: Musculoskeletal Care of the Mature Athlete, Hilton Head, South Carolina, March 2009.
17. Panel discussant, American College of Sports Medicine Annual Meeting: Knee Injuries, Seattle, Washington, May 2009.