

PUBLICATIONS

18. Books and Monographs published:

Kaplan LD, Honkamp NJ, Kehoe R, Tueting JP: Knee Injuries. Current Diagnosis and Treatment Sports Medicine, Lange Medical Books, New York, NY, 2007

El Kousy H, **Kaplan LD**, Fu FH. Arthroscopic and open surgical treatment of patellar tendonosis. *Atlas of Sports Medicine Surgery*. 2005.

McMahon PJ, **Kaplan LD**: Sports Medicine. In Current Diagnosis and Treatment in Orthopaedics, 4th Ed, Skinner HB (ed), Lange Medical Books, New York, NY, 2005.

Fruhme DJ, **Kaplan LD**, Fu FH: The Knee and Leg. Netter's Orthopedics, Saunders Elsevier, Philadelphia, PA, 2005.

19. Juried or refereed journal articles or exhibitions:

Bradley J, Honkamp NJ, Jost P, West R, Norwig J, **Kaplan LD**. Incidence and Variance of Knee Injuries in Elite College Football Players. *Am J Orthop*. 2008; 37(6): 310-314

West JL, Keene JS, **Kaplan LD**. Early Motion After Quadriceps and Patellar Tendon Repairs: Outcomes With Single-Suture Augmentation. *American Journal of Sports Medicine* 36(2): 316-323, 2008.

Kaplan LD, Royce B, Meier B, Hoffmann JM, Barlow JD, Lu Y, Stampfli HF. Mechanical Chondroplasty: Early Metabolic Consequences In Vitro. *Arthroscopy* 23(9): 923-929, 2007.

Tuite MJ, Petersen BD, Wise SM, Fine JP, **Kaplan LD**, Orwin JF. Shoulder MR Arthrography of the Posterior Labrocapsular Complex in Overhead Throwers with Pathologic Internal Impingement and Internal Rotation Deficit. *Skeletal Radiol*. Jun; 36(6):495-502, 2007.

Lu Y, Markel MD, Swain C, **Kaplan LD**. Development of Partial Thickness Articular Cartilage Injury in an Ovine Model. *Journal of Orthopedic Research*, October; 24(10): 1974-82, 2006.

Flanigan DC, Forsythe T, Orwin J, **Kaplan LD**. Arthroscopic Capsular Plication A Cadaveric Analysis of Volume Reduction. *Arthroscopy*, May; 22(5):528-533, 2006.

Barrett JG, Hao Z, Graf BK, **Kaplan LD**, Heiner JP, Muir P. Inflammatory Changes in Ruptured Canine Cranial and Human Anterior Cruciate Ligaments. *Am J of Vet Res*, December; 66(12): 2073-2080, 2005.

Tuite MJ, Rutkowski A, Enright T, **Kaplan LD**, Fine JP, Orwin J. Width of High Signal

and Extension Posterior to Biceps Tendon as Signs of Superior Labrum Anterior to Posterior Tears on MRI and MR Arthrography. *AJR Am J Roentgenol*, 185(6):1422-8, 2005.

Kaplan LD, Flanigan DC, Jost P, Norwig J, Bradley JP. Incidence and Variance of Shoulder Injuries by Position in Elite, Intercollegiate Football Players. *American Journal of Sports Medicine*, August, 2005.

Kaplan LD, Thorpe M, Schurhoff M, Selesnick H, Uribe JW. Abnormal MRI Findings in the Menisci and Articular Cartilage in Asymptomatic Professional Basketball Players. *Arthroscopy*, May, p. 557-61, 2005.

Kaplan LD, Towers J, McMahon PJ, Rodosky M, Irrgang JJ. Internal impingement: correlation between MRI and arthroscopic findings in nine overhead athletes. *Arthroscopy*, September, p. 701-04, 2004.

Kaplan LD, Ionescu D, Ernsthause JM, Bradley JP, Fu FH, Farkas DL. Temperature Requirements for Altering the Structure of Osteoarthritic and Non-Arthritic Articular Cartilage: In Vitro Thermal Alteration of Articular Cartilage. *Am J Sports Med*. April-May, p. 688-92, 2004.

Chu C, **Kaplan LD**, Bradley JP, Fu FH, Studer RK. Recovery of articular cartilage metabolism after thermal stress facilitated by IGF-1 and JNK-inhibitor. *Am J Sports Med*, 2004.

Kaplan LD, Ernsthause JM, Bradley JP, Fu FH, Farkas DL. Temperature as a function of radiofrequency probe distance using monopolar and bipolar devices. *Arthroscopy*. 232-240, 2003.

Kaplan LD, Chu C, Bradley JP, Fu FH, Studer RK. Recovery of chondrocyte metabolic activity following thermal exposure. *Am J Sports Med*, 31(3):392-398, 2003.

Kaplan LD. Analysis of articular cartilage: is red really dead? *Arthroscopy*. 19(3):310-313, 2003.

Kaplan LD, Hechtman KS, Schurhoff MR. Repair of a subscapular tear in a 13-year-old boy. *Orthopedics*, 25(8):853-855, 2002

Kaplan LD, Ernsthause JM, Ionescu DS, Studer RK, Bradley JP, Chu C, Fu FH, Farkas DL. Thermal energy effects on articular cartilage: a multidisciplinary evaluation. Proceedings of the SPIE, March 2002.

Bradley JP, **Kaplan LD**. Advances in arthroscopic rotator cuff surgery. *Shadyside Medical Journal*, June 5-6, 2001

Kaplan LD, Uribe JW, Sasken H, Markarian G. The effects of radiofrequency-generated energy on articular cartilage. *Arthroscopy*, 17(1):113, 2001.

Aboulafia AJ, **Kaplan LD**, Jelinek J, Benevenia J, Monson DK. Neuropathy secondary to pigmented villonodular synovitis of the hip. *Clin Orthop*, April(325):174-180, 1996.

Journal articles / Non-Peer Review

Flanigan DF, **Kaplan LD**. Elbow Injuries and Dislocations, *Clinics in Orthopedic*, October, 2004.

Kaplan LD, Fu F. Tissue engineering and gene therapy advances in ligament and tendons. *Tissue Engineering in Orthopaedics*, March, 2004.

Weiss NG, **Kaplan LD**, Graf BK. Graft selection in surgical reconstruction of the multiple-ligament-injured knee. *Operative Techniques in Sports Medicine*. 11(3):218-225, 2003.

Kaplan LD, Chu C, Downs E, Stubbs T, Bradley JP, Fu FH, Studer R. Recovery of recovery of chondrocyte metabolic activity following thermal exposure. *International Cartilage Repair Society Newsletter*. May-June, 2002.

Kaplan LD, Fu FH. Radiofrequency energy consortium. *International Cartilage Repair Society Newsletter*. May-June 22, 2002.

Kaplan LD, Fu FH. Future trends in thermal energy. *Clin Sports Med*. 21(4):765-770. 2002.

Kaplan LD, Fu FH. The future of anterior cruciate ligament surgery. *Curr Opin Rheumatol*. 14(2):174-176, 2002

Allen CR, **Kaplan LD**, Fluhme DJ, Harner CD. Posterior cruciate ligament injuries. *Curr Opin Rheumatol*.14(2):142-149, 2002.

Ukutu K, **Kaplan LD**, McMahon PJ. Thermal capsulorrhapy techniques. *Current Techniques in Sports Medicine*. 10(1):47-50, 2002

Kaplan LD, Huard J, Fu FH. Clinical applications of orthopedic tissue engineering—ligaments and tendons. *Pittsburgh Orthopaedic Journal*, 60-65, 2002.

Seikya J, Bradley JP, **Kaplan LD**. Incidence of ACL injuries in the NFL. *Professional Football Athletic Trainers Journal*. Winter, 2002.

Kaplan LD, Towers J, McMahon PJ, Harner CD. Internal impingement in overhead athlete: a correlation of findings on MRI and arthroscopic evaluations. *Pittsburgh Orthopaedic Journal*. 151-153, 2001.

20. Abstracts:

West JL, Keene JS, **Kaplan LD**. Results Quadriceps and Patellar Tendon Repairs: Results of 50 cases. Mid-America Orthopedic Society, Boca Raton, FL April 12, 2007

West JL, Keene JS, **Kaplan LD**. Early Motion and Brace-Free Ambulation after Quadriceps and Patellar Tendon Repairs: Results of 50 Consecutive Cases. American Academy of Orthopaedic Surgeons, San Diego, CA, February 2007.

White, J Vanderby R, Stampfli H, Myong K, Decker J, **Kaplan LD**. The Acute Metabolic and Proliferative Effects of CGRP, SP, NPY and VIP on Articular Cartilage. Orthopaedic Research Society Annual Meeting, San Diego, CA, February 2007.

Kaplan LD, Aukerman RA, Meier BJ, Wisniewski MG, Albiero W, Lu Y, Markel MD, Stampfli HF. Mechanical Chondroplasty: Effect of Pressure on Depth of Penetration, Cell Death and Metabolism. Orthopaedic Research Society Annual Meeting, San Diego, CA, February 2007.

Kaplan LD, Meier BJ, Hoffmann JM, Lu Y, Stampfli HF. Cytoprotective Agents (IGF-1 and JNK-II) Effect on Articular Cartilage Undergoing Mechanical Chondroplasty. Orthopaedic Research Society Annual Meeting, San Diego, CA, February 2007.

Niesen MC, Hoffmann JM, Stampfli HF, Squire MW, **Kaplan LD**. Evaluation of Articular Cartilage from Osteoarthritic Femoral Heads Using the OARSI Grading System. OARSI, Prague, Czech Republic, December 2006

Kaplan LD, Meier BJ, Hoffmann JM, Lu Y, Stampfli HF. Cytoprotective Agents (IGF-1 and JNK-II) Effect on Articular Cartilage Undergoing Mechanical Chondroplasty. OARSI, Prague, Czech Republic, December 2006.

Kaplan LD, Lu Y, Swain C, Stampfli, Markel M. A New Ovine Model for Studying Partial Thickness Articular Cartilage Lesions. Poster Presentation. ESSKA: European Society of Sports Traumatology, Knee Surgery and Arthroscopy, Innsbruck, Austria, May 2006.

Kaplan LD, Hoffman J, Barlow J, Lu Y, Stampfli H. The Differences in Metabolic and Proliferative Activity in Hip and Knee Cartilage. Poster Presentation. ESSKA: European Society of Sports Traumatology, Knee Surgery and Arthroscopy, Innsbruck, Austria, May 2006.

Kaplan LD, Lu Y, Stampfli H, Barlow J, Markel M. Development of a Partial Articular

Cartilage Lesion in an Ovine Model. Poster Presentation. International Cartilage Research Society, San Diego, CA, January 2006

Flanigan DC, Forsythe T, Orwin J, **Kaplan LD**. Arthroscopic Capsular Plication A Cadaveric Analysis of Volume Reduction. Poster Presentation. Academy of Orthopaedic Surgeons (AAOS) Annual Meeting, Washington, D.C., February 2005.

Kaplan LD. "The Thermal Profile of Monopolar and Bipolar Radiofrequency Probes." E-Poster, AANA Annual Meeting, April 2003

Chu C, **Kaplan LD**, Fu FH, Bradley JP, Studer RK. "Application of Radiofrequency Probes to Articular Cartilage: Effects on Viability, Metabolism, and Structure." AOSSM, Orlando, FL, June 2002.

Kaplan LD. "Recovery of Recovery of Chondrocyte Metabolic Activity Following Thermal Exposure." Poster Session, International Cartilage Repair Society, Toronto, Canada, June 2002

Kaplan LD. "Prevalence of Abnormal Findings on MRI in Professional Basketball Players." E-Poster, AANA Annual Meeting, April 2002.

Kaplan LD. "The Effect of Temperature at Variable Times on Articular Cartilage." E-Poster, AANA Annual Meeting, April 2002.

PRESENTATIONS

Local/Regional:

Sherry M, **Kaplan LD**, Blankenbaker D, Clinical Correlation-Knee, University of Wisconsin Sports Medicine Symposium, Madison WI, May 2008

"The Knee-What's New" University of Wisconsin Sports Symposium, Madison WI, May 2008

"Career Development in Sports Medicine." Surgery Interest Group (1st & 2nd Yr. Medical Students), Madison, WI, September 2007

"Articular Cartilage: Generation X." Grand Rounds, University of Wisconsin Department of Orthopedics and Rehabilitation, Madison, WI, June 2007

"Orthopedic Case Studies of the Knee – Cartilage Lesions." University of Wisconsin Sports Medicine Symposium, Madison, WI, May 2007

"Development of Partial Thickness Cartilage Lesion in an Ovine Model." Pittsburgh

Sports Medicine Fellows 20th Reunion Meeting. Pittsburgh, PA, June 2006.

"Shoulder Impingement and Instability Cases." University of Wisconsin Sports Medicine Symposium, Madison, WI, May 2006.

"Articular Cartilage Treatment Options in 2006." Wisconsin Orthopedic Society, Madison, WI, May 2006.

"Articular Cartilage Injury and Treatment Options." University of Wisconsin Sports Medicine Rounds, Madison, WI, November 2005

"Difficult Knee Cases- How to Treat." University of Wisconsin Sports Medicine Symposium, Madison, WI, May 2005.

Honkamp N, **Kaplan LD**, "Arthroscopic Capsular Plication A Cadaveric Analysis of Volume Reduction." MidAmerica Orthopedic Society, Amelia Island, FL, April 2005.

Honkamp N, **Kaplan LD**, "Metabolic Changes on Articular Cartilage in Thermal Environment." MidAmerica Orthopedic Society, Amelia Island, FL, April 2005

"Biomechanics and the Athlete's Shoulder." Grand Rounds, University of Wisconsin Department of Orthopedics and Rehabilitation, Madison, WI, November 2004.

"Anterior Cruciate Ligament Surgery-Complications and Backup Plans." Wisconsin Orthopedic Society, Madison, WI, June 2004.

"Cartilage Surgery in Sports Medicine." University of Wisconsin Department of Kinesiology, Madison, WI, November 2003.

"Anterior Cruciate Ligament Surgery-Complications and Backup Plans." Grand Rounds, University of Wisconsin Department of Orthopedics and Rehabilitation, Madison, WI, November 2003.

"Current Concepts in Cartilage." University of Wisconsin Sports Medicine Symposium, Madison, WI, May 2003.

"Abnormal MRI Findings in the Menisci and Articular Cartilage in Professional Basketball Players." University of Wisconsin Surgical Research Symposium, Madison, WI, September 2002

"The Female Athlete: ACL Injuries and Prevention." UPMC Female Athlete Symposium, Greensburg, PA, August 2001.

Bradley J, **Kaplan LD**. "Monopolar Thermal Capsulorrhaphy." Expanded Indications for

Thermal Treatment and Management of Golfing Injuries, Southern Orthopaedic Association, Pinehurst, NC, March 2001.

Bradley J, **Kaplan LD**. "Rotator Cuff Injuries in Golfers." Expanded Indications for Thermal Treatment and Management of Golfing Injuries, Southern Orthopaedic Association, Pinehurst, NC, March 2001

"The Effects of Radiofrequency-Generated Energy on Articular Cartilage." Florida Orthopedic Society, Palm Beach, FL, June 2000.

"The Effects of Radiofrequency-Generated Energy on Articular Cartilage." Pennsylvania Orthopedic Society Annual Meeting, Orlando FL, April 2000.

"Abnormal MRI Findings in the Menisci and Articular Cartilage in Asymptomatic Professional Basketball Players." University of Miami, Grand Rounds, Miami, FL, January 2000.

"Shoulder Capsuloraphy with Radiofrequency-Generated Energy." Dade County Athletic Trainers Fall Course, Coral Gables, FL, 1999.

"The Effects of Radiofrequency-Generated Energy on Articular Cartilage." University of Miami, Grand Rounds, Miami, FL, March 1999.

National

"Metabolic Activity in Osteoarthritic Knees Correlates with Body Mass Index." Orthopaedic Research Society, American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, CA, March 2008

"Evaluation of Glenohumeral Displacement in Cadaver Shoulders With and Without SLAP Repair following Bankart Repair." Orthopaedic Research Society, American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, CA, March 2008

"The Effects of Neuropeptides on Bovine Articular Cartilage Proliferation." Osteoarthritis Research Society International World Congress, Fort Lauderdale, FL, December 2007

"Metabolic Activity in Osteoarthritic Knees Correlates with Body Mass Index." Osteoarthritis Research Society International World Congress, Ft. Lauderdale, FL, December 2007

"The Effect of Neuropeptides on Bovine Articular Cartilage Proliferation." Orthopaedic Research Society Annual Meeting, Honolulu, Hawaii, October 2007

Jost P, Honkamp N, Norwig J, West R, Bradley J, **Kaplan LD**. Prevalence and Variance of Foot and Ankle Injuries in Elite College Football Players. American College of Sports

Medicine, New Orleans, LA, June 1, 2007

"Assessment of Articular Cartilage Damage from Mechanical (Shaver) Chondroplasty." AOSSM Annual Meeting 2006, Hershey, PA, June 2006.

"Development of Bioactive, Temporally Controlled Release System for Articular Cartilage." AOSSM Articular Cartilage Grant Workshop, Hershey, PA, June 2006.

Bradley J, **Kaplan LD**. " Incidence of Shoulder Injuries by Position in Elite Intercollegiate American Football Players, National Football League Physicians Society, Indianapolis, IN, February 2005.

Bradley J, **Kaplan LD**. "ACL Injuries in the National Football League." National Football League Physicians Society, Indianapolis, IN, February 2003.

"Thermal Changes in Cartilage." Little Orthopedic Club 45th Annual Meeting, Madison, WI, September 2002.

Bradley J, **Kaplan LD**. "Radiofrequency Energy Consortium: Studies in RF Energy." 20th Century Club, Kohler, WI, August 2002.

Bradley J, **Kaplan LD**. "Radiofrequency Energy Consortium: Studies in RF Energy." Herodicus Sports Medicine Society, Pointe Vedra, FL, June 2002.

Fu F, **Kaplan LD**. "The Future of Gene Therapy in Orthopedic Surgery." Horizons in Orthopedics Symposium, AANA Annual Meeting, Washington, DC, April 2002.

"Quantitative In Vivo Imaging for Orthopedic and Tissue Engineering Applications." BIOS 2002: Functional Imaging, Photonics West, San Jose, CA, January 2002.

Bradley J, **Kaplan LD**. "Shoulder Biomechanics." Shoulder Instability Symposium, AOSSM Annual Meeting, Keystone, CO, June 2001

Bradley J, **Kaplan LD**. "ACL Injuries in NFL Players." AOSSM/NFL Physicians Annual Meeting, Phoenix, AZ, May 2001.

"Internal Impingement: Correlation between MRI and Arthroscopic findings in Nine Overhead Athletes." Residents and Fellows Arthroscopy Conference, Useppa Island, FL, May 2001.

"The Role of Radiofrequency in Shoulder Instability." Shoulder Instability Symposium, Arthroscopy Association of North America Annual Meeting, Seattle, WA, April 2001.

"Abnormal MRI Findings in the Menisci and Articular Cartilage in Asymptomatic

Professional Basketball Players." Residents and Fellows Conference, Palm Beach, FL, May 2000.

International

"Use of Local Anesthetics," Scientific Session-Local Anesthetics, AOSSM, Calgary, Alberta, Canada, July 2007

"The Seven Habits of Highly Effective Sports Medicine Orthopaedists." Young Sports Medicine Specialists' Workshop, AOSSM, Calgary, Alberta, Canada, July 2007

"Prevalence and Variance of Knee Injuries in Elite College Football Player." ISAKOS: International Society of Arthroscopy, Knee Surgery & Orthopaedic Sports Medicine, Florence, Italy, May 2007

"Assessment of Articular Cartilage Damage from Mechanical Chondroplasty." ESSKA: European Society of Sports Traumatology, Knee Surgery and Arthroscopy, Innsbruck, Austria, May 2006.

"Hip versus Knee Articular Cartilage: Differences in Proliferative and Metabolic Activity." International Cartilage Research Society, San Diego, CA, January 2006.

"Mechanical Chondroplasty: Depth of Penetration and Early Metabolic Consequences." International Cartilage Research Society, San Diego, CA, January 2006.

"Articular Cartilage Injury and Treatment." 50th Chilean Sports Medicine and Trauma Conference, Santiago, Chile, July 2005.

"Complications and Backup Plans in Anterior Cruciate Ligament Surgery." 50th Chilean Sports Medicine and Trauma Conference, Santiago, Chile, July 2005.

"Arthroscopic Capsular Plication A Cadaveric Analysis of Volume Reduction." Arthroscopy Association of North America Annual Meeting, Vancouver, Canada, May 2005.

"Metabolic Changes on Articular Cartilage in Thermal Environment." ISSAKOS, Hollywood, FL, April 2005.

"The Effect of Temperature at Variable Times on Articular Cartilage." Sirot/Scot, San Diego, CA, August 2002.

"The Effect of Probe Distance of RF-probe Thermal Profile." Sirot/Scot, San Diego, CA, August 2002.

"The Effect of Temperature at Variable Times on Articular Cartilage." International Congress on Arthroscopy, Buenos Aires, Argentina, May 2002.

"Internal Impingement in the Overhead Athlete: A Correlation of Arthroscopic and Radiographic Evaluation." International Congress on Arthroscopy, Buenos Aires, Argentina, May 2002.

"Temperature as a Function of Bipolar and Monopolar RF Probe Distance." International Congress on Arthroscopy, Buenos Aires, Argentina, May 2002.

"The Effect of Temperature at Variable Times on Articular Cartilage." Southern Orthopedic Association Meeting, Florence, Italy, April 2002.

"Shoulder Capsuloraphy with Radiofrequency-Generated Energy." Brazilian Society of Shoulder and Elbow Surgeons, Rio de Janeiro, Brazil, July 1999.

"The Effects of Radiofrequency-Generated Energy on Articular Cartilage." ORTA, Rio de Janeiro, Brazil, July 1999.

"The Effects of Radiofrequency-Generated Energy on Articular Cartilage." Arthroscopy Association of North America Annual Meeting, Vancouver, Canada, April 1999.