

Gretchen Dawn Oliver, PhD, FACSM, ATC /LAT

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EDUCATION

- 1999-2003 Texas Woman's University, Denton, TX
Doctor of Philosophy in Kinesiology, Biomechanics
- 1997-1999 University of Arkansas, Fayetteville, AR
Master of Science in Education, Kinesiology
Emphasis in Biomechanics
- 1992-1996 University of Arkansas, Fayetteville, AR
Bachelor of Science in Education, Kinesiology
Emphasis in Athletic Training

PROFESSIONAL

- 2012-present Assistant Professor
Director of Laboratory for Sports Medicine and Movement
Auburn University, Auburn AL
- 2006-2012 Assistant Professor
Director of University of Arkansas Sport Biomechanics Group
Clinical Coordinator of the Graduate Athletic Training Education
Program
University of Arkansas, Fayetteville, AR
- 2005- 2006 Assistant Professor
Associate Program Director/Clinical Coordinator of Graduate Athletic
Training Education Program
Stephen F. Austin State University, Nacogdoches, TX
Administratively responsible for the clinical coordination of the GATEP,
while fulfilling appropriate academic responsibilities assigned by the
Chair and Dean.
- 2004-2005 Assistant Professor
Director of the Athletic Training Education Program
Eastern Kentucky University, Richmond, KY
Administratively responsible for the ATEP, while fulfilling appropriate
academic responsibilities assigned by the Chair and Dean.
- 2002-2005 Assistant Professor
Eastern Kentucky University, Richmond, KY
Teach undergraduate curriculum program athletic training classes as
well as clinical supervision of athletic training students.

Book Chapters

2. Hastie P, Miller M, **Oliver GD**, Weimar W [in press]. Tameka: Curves Are In K. Armour [Ed.]. *Pedagogical cases in sport, exercise and movement*. London UK: Rutledge.

1. Starkey AC. and **Oliver GD**. (2009). Administration and Management. In: Cummings, N.H. & Stanley-Green, S. (Eds.) *Perspectives in Athletic Training*. Albany, NY: Content Concepts Publishing, Inc.

Invited Peer Reviewed Publications

A description of the peer reviewer journal is supplied at the end of the publication section.

8. **Oliver GD**, & Cohen JA. Clavicular fractures: A review of the literature. *Minerva Orthopeda Traumatol* 2012, 63:217-227. *Invited paper.*

*This paper was invited based on a case study that was a feature publication in the Journal of Athletic Training. The publication that received this national attention was: Rabe SB, and **Oliver GD**. Clavicle fracture in a collegiate football player: a case report of rapid return to play. *Journal of Athletic Training*, 2011;46:107-111. Feature Article*

7. **Oliver GD**. Injury prevention in active youth. *News Medical*. <http://www.news-medical.net/news/20120216/Injury-Prevention-in-Active-Youth.aspx>

*I was invited to write this piece because of my national presentations and publications of involving youth and injury prevention. The paper that received News Medical attention was: **Oliver GD**, Adams-Blair HR, and Dougherty C. Implementation of a core stability program for elementary school children. *Journal of Athletic Training and Sports Health Care*. 2010;2(6):261-266.*

6. **Oliver GD**. Powering the Windmill: Lower body mechanics of softball pitching. *Lower Extremity Review*. 2011 June; *Invited Article, Cover Story.*

This was an invited article and the cover story. I was invited to do this piece based on my national and international reputation for research regarding the windmill softball pitch.

5. **Oliver GD**. The windmill softball pitch: Optimal mechanics and pathomechanics of injury. *Athletic Therapy Today* 2010;15(6):28-31. *Invited Article*

*The section editor invited me after she had read a manuscript published in the Journal of strength and conditioning research. **Oliver GD**, Dwelly P. and Kwon Y-H. Kinematic motion of the windmill softball pitch in prepubescent and pubescent females. *Journal of Strength and Conditioning Research* 2010; 24(9):2400-2407.*

4. **Oliver GD**. The windmill softball pitch: Injury prevention implications. *International Journal of Athletic Therapy & Training* 2010;16(1) 27-31. *Invited Article*

*The section editor invited me after she had read a manuscript published in the Journal of strength and conditioning research. **Oliver GD**, Dwelly P. and Kwon Y-H. Kinematic motion of the windmill softball pitch in prepubescent and pubescent females. *Journal of Strength and Conditioning Research* 2010; 24(9):2400-2407.*

3. **Oliver GD**, and Adams-Blair H.R. The importance of core strength for prevention of injury. *Journal of Physical Education, Recreation & Dance*, 2010;81(7):15-19. *Feature Article and Invited Article*

*This paper was invited after the editor in chief read two manuscripts that I had published on core strength. Those two manuscripts were: **Oliver GD**, and DiBrezza R. Functional balance training in collegiate women athletes. *Journal of Strength and Conditioning Research*. 2009;23(7):2124-2129.*

Oliver GD, Adams-Blair HR, and Dougherty C. Implementation of a core stability program for elementary school children. *Journal of Athletic Training and Sports Health Care*. 2010;2(6):261-266.

Invited Peer Reviewed Publications

2. **Oliver GD**. Pelvic neutral: Key to balance training. *Lower Extremity*. 2010; 2(4): 57-61. *Feature Article and Invited Article*
This paper was invited after the editor in chief read two manuscripts that I had published on core strength. Those two manuscripts were: Oliver GD, and DiBrezza R. Functional balance training in collegiate women athletes. Journal of Strength and Conditioning Research. 2009;23(7):2124-2129.
Oliver GD, Adams-Blair HR, and Dougherty C. Implementation of a core stability program for elementary school children. *Journal of Athletic Training and Sports Health Care*. 2010;2(6):261-266.
1. Adams-Blair HR, and **Oliver GD**. C-hildren O-oriented R-eally fun E-xercises: A practical core strengthening program for elementary physical education. P.E. Links4U, 2010; April 12(4). *Invited Article*
The editor invited us to write this paper based on the manuscript: Oliver GD, Adams-Blair HR, and Dougherty C. Implementation of a core stability program for elementary school children. Journal of Athletic Training and Sports Health Care. 2010;2(6):261-266.

Peer Reviewed Publications

35. **Oliver GD**, Eubanks R. Kinematics and kinetics of drop landings: Shod and barefoot. *Journal of Athletic Medicine* 2013, Sept 1(2): 91-97.
34. **Oliver GD**. Relationship between gluteal activity and upper extremity kinematics and kinetics. *Medical and Biological Engineering and Computing*. Special Issue DOI 10.1007/s11517-013-1056-3 March 2013.
33. Plummer H, **Oliver GD**. Quantitative analysis of kinematics and kinetics of catchers throwing down to second base. *Journal of Sports Sciences* 2013 <http://dx.doi.org/10.1080/02640414.2013.770907>
32. **Oliver GD**. Unicameral bone cyst in active adult female. *International Journal of Athletic Therapy & Training*. 2013; 18: 33-36.
31. Keeley DW, **Oliver GD**, and Dougherty CP. Shoulder kinematics during pitching: Comparing the slide step and traditional stretch deliveries. *Human Movement Science*.2012; 31:1191-1199.
30. Wozobski E, **Oliver GD**, Bonacci J, Summers M. Small bowel injury in collegiate football player. *International Journal of Athletic Training and Therapy* 2012; 17:33-37.
29. Hosokawa Y, **Oliver GD**. Pubic stress fracture in college lacrosse player. *International Journal of Athletic Training and Therapy* 2013;18:7-10.
28. **Oliver GD**, Sola M, Dougherty CP, Huddleston S. Quantitative Examination of Upper and Lower Extremity Muscle Activation during Common Shoulder Rehabilitation Exercises using the Bodyblade®. *Journal of Strength and Conditioning Research*. DOI: 10.1519/JSC.0b013e31827fd4c2
27. Keeley DW, **Oliver GD**, Dougherty CP. A biomechanical model correlating shoulder kinetics to pain in young baseball pitchers. *Journal of Human Kinetics* 2012; 34: 15-20.
26. Roling K, **Oliver GD**, Dittmore S, Moiseichik M. The effects of a lumbopelvic-hip strengthening intervention program on functional testing in collegiate female tennis players. *Clinical Kinesiology* 2012; 66(1):13-18.
25. **Oliver GD**, Stone AJ, Wyman JW, Blazquez IN. Muscle activation of the torso during the RAZOR curl hamstring exercise. *International Journal of Sports Physical Therapy*. 2012; 7[1]: 49-57.

Peer Reviewed Publications

24. Suits JM, and **Oliver GD**. Bilateral subtalar coalition in a Division I basketball player: A case report. *Journal of Athletic Training* 2012, 47: 724-729.
23. Hall J, **Oliver GD**, and Stone AJ. Comparison of active, passive and proprioceptive neuromuscular facilitation stretching for achieving glenohumeral internal rotation. *Journal of Athletic Training and Sports Health Care*. 2012; 4[4]: 181-188.
22. Adams-Blair HR, and **Oliver GD**. Physical activity integration into the elementary classroom. *International Journal of Health, Wellness, and Society*. 2011;1(3):147-154.
21. Keeley DW, Plummer HP, and **Oliver GD**. Predicting asymmetrical lower extremity strength deficits in college aged males and females using common horizontal and vertical power field tests. *Journal of Strength and Conditioning Research*. 2011;25(6):1632-1637.
20. **Oliver GD**, Plummer HP, and Keeley DW. Muscle activation patterns of the upper and lower extremity during the windmill softball pitch. *Journal of Strength and Conditioning Research*. 2011;25(6):1653-1658.
19. **Oliver GD**, Stone AJ, Booker JM, Plummer HA. A kinematic and kinetic analysis of drop landings in military boots. *Journal of the Royal Army Medical Corps*. 2011;157(3):218-221.
18. **Oliver GD**, and Plummer H. Ground reaction forces, kinematics, and muscle activations during the windmill softball pitch. *Journal of Sports Sciences*. 2011; 29(10):1071-1077.
17. Rabe SB, and **Oliver GD**. Clavicle fracture in a collegiate football player: a case report of rapid return to play. *Journal of Athletic Training*, 2011;46:107-111. *Feature Article*
16. **Oliver GD**, Aldrich TM, and Moiseichik ML. Quantitative analysis of sEMG of the upper extremity musculature while using two different cutting tools. *Clinical Kinesiology* 2010; 64(4): 56-60.
15. **Oliver GD**, Stone AJ, and Plummer H. Electromyographic examination of selected muscle activation during isometric exercises. *Clinical Journal of Sport Medicine* 2010;20(6):452-457.
14. **Oliver GD**, Adams-Blair HR, and Dougherty C. Implementation of a core stability program for elementary school children. *Journal of Athletic Training and Sports Health Care*. 2010;2(6):261-266.
13. **Oliver GD**, Dwelly PM, Sarantis N, Helmer R, and Bonacci J. Muscle activation of different core exercises. *Journal of Strength and Conditioning Research*, 2010;24(11): 3069-3074.
12. **Oliver GD**, and Keeley DW. Pelvic and trunk kinematics and their relationship to shoulder kinematics in high school baseball pitchers. *Journal of Strength and Conditioning Research*, 2010;24(12): 3234-3240.
11. **Oliver GD**, and Keeley DW. Gluteal muscle group activation and its relationship with pelvic and trunk kinematics in high school baseball pitchers. *Journal of Strength and Conditioning Research*, 2010;24(11), 3015-3022.
10. Keeley DW, Wicke J, Alford K, and **Oliver GD**. A biomechanical analysis of forearm pronation and its relationship to ball movement for the two-seam and four-seam fastball pitches. *Journal of Strength and Conditioning Research*, 2010;24(9):2366-2371.
9. **Oliver GD**, Dwelly P. and Kwon Y-H. Kinematic motion of the windmill softball pitch in prepubescent and pubescent females. *Journal of Strength and Conditioning Research* 2010; 24(9):2400-2407.

Peer Reviewed Publications

8. **Oliver GD**, and Dougherty CP. Muscle activation of the contralateral leg during an acute Achilles tendon rupture. *Journal of Strength and Conditioning Research* 2010;24(8):2079-2084.
7. Aldrich T, Moiseichik M, and **Oliver GD**. Paddlesport entanglement safety tools: Effectiveness and efficiency in knives and shears. *Journal of Outdoor Recreation, Education, and Leadership* 2010;2(2):5-8.
6. **Oliver GD**, and Kerkhover A. Eales Disease: A Case Study. *Journal of Athletic Training and Sports Health Care*. 2010;2(2): 89-92.
5. Rabe SB, and **Oliver GD**. Athletic pubalgia: A literature review. *Journal of Athletic Training and Sports Health Care*. 2010;2(1):25-30. *Feature Article*
4. **Oliver GD**, and Dougherty CP. Comparison of hamstring and gluteus muscles electromyographic activity while performing the RAZOR curl versus the traditional prone hamstring curl. *Journal of Strength and Conditioning Research* 2009; 23(8):2250-2255.
3. **Oliver GD**, and DiBrezzo R. Functional balance training in collegiate women athletes. *Journal of Strength and Conditioning Research*. 2009;23(7):2124-2129.
2. **Oliver GD**, and Dougherty CP. The RAZOR curl: a functional approach to hamstring strengthening. *Journal of Strength and Conditioning Research*. 2009;23 (2): 401-405.
1. DiBrezzo R., and **Oliver GD**. ACL injuries in active girls and women. *The Journal of Physical Education, Recreation, & Dance*. 2000; 17 (6):24-27.

Peer Reviewed Publications ACCEPTED

2. Keeley D, **Oliver GD**, and Wickie J. A meta-analysis of pitching motion kinematics in youth and adult baseball pitchers. *Sports Biomechanics*. *ACCEPTED AUGUST 2013*
1. **Oliver GD**, DeWitt T. Four Week Lumbopelvic-Hip Complex Intervention Program and Its Effects on Tuck Jump Assessment in Active Youth. *Clinical Kinesiology*. *ACCEPTED AUGUST 2013*

Peer Reviewed Publications in REVIEW

8. Keeley DW, **Oliver GD**, Torry MR, Wicke J. Validity of pitch velocity and strike percentage to assess fatigue in young baseball pitchers. *International Journal of Performance Analysis in Sport*.
7. **Oliver GD**, Dougherty CP, Lemak LJ. Role of the lumbopelvic-hip complex in shoulder function. *Journal of Strength and Conditioning Research*.
6. **Oliver GD**. A case of bilateral unicameral bone cysts. *International Journal of Athletic Training and Therapy*.
5. Keeley DW, **Oliver GD**, Dougherty CP. A pre-post performance comparison of oxygen utilization in the long head of the biceps brachii in young baseball pitchers. *Journal of Strength and Conditioning Research*.
4. Plummer HA, **Oliver GD**, Dougherty CP. Quantitative Analysis of Kinematics and Kinetics of Catchers Throwing to Second Base from their Knees. *Athletic Training and Sports Health Care*.

Peer Reviewed Publications in REVIEW

3. **Oliver GD**, Eubanks R. Kinematics and kinetics of drop jump landings: Shod and barefoot. *Journal of Athletic Medicine*.
2. **Oliver GD**, Vassar A, Didier D. Compartment syndrome in windmill softball pitcher. *International Journal of Athletic Training and Therapy*.
1. Hosokawa Y, **Oliver GD**, Dittmore S. Availability of Designated Health Care Providers and Emergency Action Plans in Arkansas High School Athletics. *Athletic Training Education Journal*.

Peer Reviewed Abstract Publications

50. Holt TE, Plummer HA, **Oliver GD**. Effect of fatigue on elbow kinetics in youth baseball pitchers. *Medicine and Science in Sports and Exercise*, 2013; 45:5 supplement.
49. Patel J, Jagodinsky A, **Oliver GD**, Weimar W. Force test of internal rotation during various isometric transverse pelvic girdle rotations. *Medicine and Science in Sports and Exercise*, 2013; 45:5 supplement.
48. Plummer HA, **Oliver GD**. Effects of shoulder fatigue on scapular kinematics in pitchers. *Medicine and Science in Sports and Exercise*, 2013; 45:5 supplement.
47. **Oliver GD**, Dougherty E. Landing mechanics in female basketball and soccer athletes. *Medicine and Science in Sports and Exercise*, 2013; 45:5 supplement.
46. **Oliver GD**, Stone AJ, Weimar W. Effects of shoulder fatigue on ground reaction forces in softball players. *Medicine and Science in Sports and Exercise*, 2013; 45:5 supplement.
45. **Oliver GD**, Cohen JA, Sherrill J. The effects of fatigue on pelvic and scapula stabilizers in overhead throwing. *Medicine and Science in Sports and Exercise*, 2013; 45:5 supplement.
44. **Oliver GD**, Cohen JA, & Johnson R. Relationship Between Gluteal Activity and Upper Extremity Kinematics and Kinetics in Softball Players. The IX Conference of the International Shoulder Group, 2012: 16-17.
43. Parker J, Cohen JA, & **Oliver GD**. Quantitative Analysis of the Slide Step Delivery in Adolescent Baseball Pitchers. The Scientific Proceedings of the XXVIII International Conference on Biomechanics in Sports Conference. 2012; 4:73-76.
42. **Oliver GD** & Johnson R. Quantitative Analysis of Throwing Mechanics in Softball Positional Players. The Scientific Proceedings of the XXX International Conference on Biomechanics in Sports Conference. 2012;4: 77-80.
41. Hosokawa Y, & **Oliver GD**. Pubic Stress Fracture- Lacrosse. *Medicine and Science in Sports and Exercise*, 2012; 44:5 supplement.
40. Wozobski E, **Oliver GD**, Bonacci J, & Summers M. Abdominal Injury-Football. *Medicine and Science in Sports and Exercise*, 2012; 44:5 supplement.
39. Suskind K, & **Oliver GD**. Lateral Ankle Injury-Baseball. *Medicine and Science in Sports and Exercise*, 2012; 44:5 supplement.

Peer Reviewed Abstract Publications

38. Keeley DW, **Oliver GD**, Dougherty CP, Torry M. Changes in Long Head of the Biceps Tendon Size Following an Extended Pitching Performance. *Medicine and Science in Sports and Exercise*. 2012; 44:5 Supplement.
37. Sola M, **Oliver GD**, Huddleston S. Quantitative Examination of Pelvic and Scapular Stabilizing Muscle Activation during Shoulder Rehabilitation. *Medicine and Science in Sports and Exercise*. 2012; 44:5 Supplement.
36. Plummer HA, **Oliver GD**, Romasco A, Holt T. Difference in Muscle Activations Following Drop Landing Biofeedback Intervention. *Medicine and Science in Sports and Exercise*. 2012; 44:5 Supplement.
35. Romasco A, MacDonald K, Cohen JA, & **Oliver GD**. Hip Abduction Strength and its Relationship with Landing Mechanics. *Medicine and Science in Sports and Exercise*. 2012; 44:5 Supplement.
34. Dwelly PD, Plummer HA, and **Oliver GD**. Quantitative Analysis of Throwing Kinematics of Skeletally Immature and Mature Catchers. International Society of Biomechanics XXIIIrd Congress, Brussels Belgium. 2011; pg 93.
33. Plummer HA, **Oliver GD**, and Dwelly P. Quantitative Analysis of Skeletally Immature and Mature Catchers' Muscle Activation during Throwing. International Society of Biomechanics XXIIIrd Congress, Brussels Belgium. 2011, pg 83.
32. **Oliver GD**, Plummer HA, and Dwelly P. Relationship between Torso Rotation and Gluteal Muscle Group Activation in Baseball and Softball Catchers. International Society of Biomechanics XXIIIrd Congress, Brussels Belgium. 2011; pg 153.
31. **Oliver GD**. Calcaneal bone cyst in active adult female: a case study. *Athletic Training and Sports Health Care* 2011; 3(3):154.
30. Roling K, **Oliver GD**, Dittmore S, Moiseichik M. Gluteus medius to adductor muscle activation ratio: effects on dynamic knee valgus. *Athletic Training and Sports Health Care* 2011; 3(3):152.
29. Bonacci JA, Kurani A, **Oliver GD**, Dwelly P. An investigation in comparing stable and unstable rescuer positions of spine boarding extraction protocols of undocumented injury scenarios in a Gymnastics Pit. *Athletic Training and Sports Health Care* 2011; 3(3):151-152.
28. Pettaway A, Dwelly P, Romasco A, Bonacci J, **Oliver GD**. Effects of the combination of ultrasound and transcutaneous electrical muscle stimulation on hamstring range of motion. *Athletic Training and Sports Health Care* 2011; 3(3):150-151.
27. Dwelly P, Abe M, **Oliver GD**. Association between hip and shoulder rotational range of motion in collegiate baseball pitchers. *Athletic Training and Sports Health Care* 2011; 3(3):145-146.
26. Black D, Stone AJ, Evanson K, and **Oliver GD**. Effects of different foot conditions on sEMG of the lower leg during a back squat. *Medicine and Science in Sports and Exercise*; 2011; 43(5): 310 Supplement.
25. Keeley DW, and **Oliver GD**. Probability of shoulder pain in high school baseball pitchers. *Medicine and Science in Sports and Exercise*; 2011; 43(5): 621 Supplement.
24. Plummer H, and **Oliver GD**. Kinematics of baseball and softball catchers throwing down to second base. *Medicine and Science in Sports and Exercise*; 2011; 43(5): 861 Supplement.

Peer Reviewed Abstract Publications

23. Keeley DW, Barber K, and **Oliver GD**. Kinematic comparison of pelvis kinematics during the baseball pitch: fatigued and non-fatigued conditions. *The Scientific Proceedings of the XXVIII International Conference on Biomechanics in Sports Conference 2010*:805-809.
22. **Oliver GD**, Keeley DW, and Abe M. Quantitative analysis of core musculature during two types of baseball pitches: Fastball and change-up. *The Scientific Proceedings of the XXVIII International Conference on Biomechanics in Sports Conference 2010*: 489-492. *New Investigator Award Finalist*
21. **Oliver GD**, and Plummer H. Descriptive analysis of sEMG during the windmill softball pitch: Pre-fatigue and fatigued. *The Scientific Proceedings of the XXVIII International Conference on Biomechanics in Sports Conference 2010*: 815-819.
20. **Oliver GD**, and Plummer H. Ground reaction forces, kinematics, and muscle activations during the softball pitch. *The Scientific Proceedings of the XXVIII International Conference on Biomechanics in Sports Conference 2010*:692-695.
19. **Oliver GD**, and Plummer H. Quantifying sEMG in pre-fatigue and fatigue states during the fastball baseball pitch. *The Scientific Proceedings of the XXVIII International Conference on Biomechanics in Sports Conference 2010*: 225-229.
18. Keeley DW, and **Oliver GD**. Kinematic comparison of two delivery styles in high school baseball pitchers. *Medicine and Science in Sports and Exercises*; 2010; 42(5) Supplement.
17. Plummer H, **Oliver GD**, and Keeley D. Comparison of shoulder kinetics across two delivery styles in high school baseball pitchers. *Medicine and Science in Sports and Exercise*; 2010; 42(5) Supplement.
16. Plummer H, **Oliver GD**, and Keeley D. Quantitative sEMG description of upper extremity muscle activation during baseball pitching: Pre fatigue & fatigue. *International Journal of Exercise Science*. 2010; 4, Article 10.
15. Keeley D, and **Oliver GD**. Model predicting shoulder compressive force during baseball pitching. *International Journal of Exercise Science*.2010; 4: Article 8.
14. Keeley DW, **Oliver GD**, Dwelly P, Hoffman H, and Dougherty CP. Relationships between hip and shoulder rotation during baseball pitching. *The Scientific Proceedings of the XXVII International Conference on Biomechanics in Sports Conference 2009*: 585.
13. Hoffman H, **Oliver GD**, Keeley DW, Barber K, and Dwelly P. The relationship between gluteal activity and pelvic kinematics during the windmill softball pitch. *The Scientific Proceedings of the XXVII International Conference on Biomechanics in Sports Conference 2009*: 574.
12. Keeley DW, **Oliver GD**, Dwelly P, and Hoffman H. A kinematic description of the post pubescent windmill softball pitching motion. *The Scientific Proceedings of the XXVII International Conference on Biomechanics in Sports Conference 2009*: 538-541.
11. Keeley DW, **Oliver GD**, Dwelly P, and Hoffman H. A kinematic comparison of the youth pitching motion across prepubescent and pubescent pitchers. *The Scientific Proceedings of the XXVII International Conference on Biomechanics in Sports Conference 2009*: 723-726.
10. Dwelly P, **Oliver GD**, Adams-Blair HR., Keeley DW, and Hoffman H. Improved muscle activation in performing a functional lunge compared to the traditional squat. *The Scientific Proceedings of the XXVII International Conference on Biomechanics in Sports Conference 2009*: 745-748.

Peer Reviewed Abstract Publications

9. **Oliver GD**, Dwelly P, Keeley DW, and Hoffman H. Upper extremity and core muscle firing patterns during the windmill softball pitch. The Scientific Proceedings of the XXVII International Conference on Biomechanics in Sports Conference 2010: 767-770.
8. **Oliver GD**, Dwelly P, Keeley DW, and Hoffman H. Examination of gluteal muscle firing and kinetics of the lower extremity during the windmill softball pitch. The Scientific Proceedings of the XXVII International conference on Biomechanics in Sports Conference 2009: 608-611.
7. Keeley DW, and **Oliver GD**. Kinematic differences in youth baseball pitchers: An investigation into the cocking and acceleration phases. *Medicine and Science in Sports and Exercise*. 2009;41:5 Supplement.
6. **Oliver GD**. and Dougherty CP. Muscle activation of the contralateral leg during an acute Achilles tendon rupture. *Medicine and Science in Sports and Exercise*. 2009;41:5 Supplement.
5. Dwelly PD, **Oliver GD**. and Adams-Blair HR. Improved muscle activation in performing a functional lunge versus a traditional squat. *Medicine and Science in Sports and Exercise*. 2009;41:5 Supplement.
4. **Oliver GD**, and Adams-Blair HR. Core stability in school aged children. *Supplement to Research Quarterly for Exercise and Sport*. 2009;89: 117.
3. Adams-Blair H, and **Oliver G**. Walking and Physical Activity Integration into the Classroom: Measurement and Evaluation through Pedometer Use. The Final Program at Walking for Health: Measurement and Research Issues and Challenges. American College of Sports Medicine-University of Illinois, Urbana-Champaign Kinesmetrics Symposium Series 2005: 12.
2. **Oliver G**, Wilkerson J, and Kwon Y-H. Three dimensional analysis of the windmill softball pitch. The Proceedings XXIInd International Symposium on Biomechanics in Sports 2004:.121-124.
1. **Oliver G**, Wilkerson J. and Kwon Y-H. The kinematics of the windmill softball pitch. The Scientific Proceedings of the VIIth International Olympic World Congress on Sport Sciences 2003:98E *Prince de Merode Award Finalist*.

Invited Presentations

8. **Oliver GD**. [2013]. Application of sEMG during Dynamic Overhead Shoulder Movements. Noraxon EMG. Kyoto, Japan.
I was invited to conduct the sEMG workshop based on the international success I have had with conducting sEMG workshops as well as from my national and internal presence with publishing with sEMG methodologies during dynamic activities.
7. **Oliver GD**. [2013]. The Role of the Kinetic Chain on Shoulder Function in Overhead Throwing. 40th Annual Meeting of the Japan Shoulder Society. Kyoto, Japan.
I was invited as one of the Key Note Speakers based on my national and international reputation I have for shoulder research.
6. **Oliver GD**. [2012]. sEMG Evaluation during Overhead Throwing. Noraxon EMG. Las Vegas, NV. *Keynote Speaker*
I was invited to be the Key Note Speaker for Noraxon based on my success I have had with sEMG research during dynamic activities.

Invited Presentations

5. **Oliver GD.** [2012]. Dynamic sEMG from Anatomy to Function to Clinical Application Workshop. Technomex and Noraxon, Poznan, Poland.

I was invited to conduct the sEMG workshop based on the international success I have had with conducting sEMG workshops as well as from my national and internal presence with publishing with sEMG methodologies during dynamic activities.

4. **Oliver GD.** [2012]. The Throwing Shoulder. 6th International Poznan Course in Shoulder, Elbow, and Wrist Surgery. Poznan, Poland.

I was invited as one of the Key Note Speakers based on my national and international reputation I have for shoulder research.

3. **Oliver GD.** [2012]. Shoulder Evaluation. 6th International Poznan Course in Shoulder, Elbow, and Wrist Surgery. Poznan, Poland.

I was invited as one of the Key Note Speakers based on my national and international reputation I have for shoulder research.

2. **Oliver GD.** [2012]. Quantitative Analysis of Shoulder Function. 6th International Poznan Course in Shoulder, Elbow, and Wrist Surgery. Poznan, Poland. *Keynote Speaker*

I was invited as one of the Key Note Speakers based on my national and international reputation I have for shoulder research.

1. **Oliver GD.** [2011]. sEMG Evaluation during Dynamic Movements of the Shoulder. Noraxon EMG Workshop. Los Angeles, CA. *Keynote Speaker*

I was invited to be the Key Note Speaker for Noraxon based on my success I have had with sEMG research during dynamic activities.

Podium/Colloquium Presentations

6. **Oliver GD** [2013]. Baseball catching in youth: Injury predictors and injury prevention. 60th Annual Meeting and 4th World Congress on Exercise is Medicine of the American College of Sports Medicine, Indianapolis Indiana.

5. Weimer W, **Oliver GD**, Patel J. [2013]. Glenohumeral joint motion involves the total body: Just ask dartfish. Southeast American College of Sports Medicine. Greenville, SC.

4. **Oliver GD.** [2011]. Mechanics, Pathomechanics, and Injury Prevention of Youth Baseball and Softball Pitchers. American College of Sports Medicine, Denver, Colorado.

3. **Oliver GD.** [2010]. Proper mechanics and injury prevention of the baseball pitch. Central States American College of Sports Medicine, Lawrence, Kansas.

2. **Oliver GD.** [2010]. The Baseball and Windmill Softball Pitch: Pitching Mechanics and Injury Prevention from the Lower Extremity to the Upper Extremity. National Athletic Trainers' Association Annual Meeting, Philadelphia, PA.

1. **Oliver GD.** [2008]. Current Issues and Trends Concern the Athletic Hernia: Differential Diagnosis and Surgical Options of the Athletic Hernia. National Athletic Trainers' Association 59th Annual Meeting and Clinical Symposia; St. Louis, MO.

Slide Presentations

18. Salinas R, Keeley DW, **Oliver GD**. [2013]. Relationship between mass and pitching kinetics at the shoulder in youth pitchers. 60th Annual Meeting and 4th World Congress on Exercise is Medicine of the American College of Sports Medicine, Indianapolis Indiana.
17. Keeley DW, **Oliver GD**, Torry M, Wicke J. [2013] Validity of pitch velocity and strike percentage to assess fatigue in young baseball pitchers. 60th Annual Meeting and 4th World Congress on Exercise is Medicine of the American College of Sports Medicine, Indianapolis Indiana.
16. Holt TE, Plummer HA, **Oliver GD**. [2013]. Effect of fatigue on elbow kinetics in youth baseball players. 60th Annual Meeting and 4th World Congress on Exercise is Medicine of the American College of Sports Medicine, Indianapolis Indiana.
15. Plummer HA, **Oliver GD**. [2013]. Effects of shoulder fatigue on scapular kinematics in pitchers. 60th Annual Meeting and 4th World Congress on Exercise is Medicine of the American College of Sports Medicine, Indianapolis Indiana.
14. Taylor H, **Oliver GD**. [2013] Effects of fatigue on elbow kinetics in youth baseball pitchers. Graduate Scholars Forum Auburn University.
13. Plummer HA, **Oliver GD**, Holt T. [2013]. Effects of shoulder fatigue on scapular kinematics in pitchers. Southeast American College of Sports Medicine. Greenville, SC.
12. Taylor H, **Oliver GD**, Plummer HA. [2013]. Effect of fatigue on elbow and shoulder kinematics in youth baseball players. Southeast American College of Sports Medicine. Greenville, SC
11. **Oliver GD**. [2013]. Bilateral unicameral calcaneal bone cyst. Big Sky Sports Medicine and Athletic Training Conference. Big Sky, MT.
10. **Oliver GD**, Cohen JA, & Johnson R. [2012]. Relationship Between Gluteal Activity and Upper Extremity Kinematics and Kinetics in Softball Players. The IX Conference of the International Shoulder Group, Aberystwyth, Wales UK.
9. Wozobski E, Oliver GD, Bonacci J, & Summers M. [2012]. Abdominal Injury-Football. American College of Sports Medicine, San Francisco, California.
8. Suskind K, & Oliver GD. [2012]. Lateral Ankle Injury-Baseball. American College of Sports Medicine, San Francisco, California.
7. Hosokawa Y, & Oliver GD. [2012]. Pubic Stress Fracture- Lacrosse. American College of Sports Medicine, San Francisco, California.
6. Keeley DW, **Oliver GD**, Dougherty CP, Torry M. [2012]. Changes in Long Head of the Biceps Tendon Size Following an Extended Pitching Performance. American College of Sports Medicine, San Francisco, California.
5. Whale C, **Oliver GD**, Tripp PM. [2012]. Predictive Value of the Jump Task for Injury among Division I Female Soccer Athletes. ACL Research Retreat VI, Greensboro, NC.
4. Dwelly PD, Plummer HA, and **Oliver GD** [2011]. Quantitative Analysis of Throwing Kinematics of Skeletally Immature and Mature Catchers. International Society of Biomechanics XXIIIrd Congress, Brussels Belgium.

Slide Presentations

3. Plummer HA, **Oliver GD**, and Dwelly P [2011]. Quantitative Analysis of Skeletally Immature and Mature Catchers' Muscle Activation during Throwing. International Society of Biomechanics XXIIIrd Congress, Brussels Belgium.
2. Dwelly P, Abe M, and **Oliver GD**. [2011]. Association between Hip and Shoulder Rotational Range of Motion in Collegiate Baseball Pitchers. World Federation of Athletic Training and Therapy World Congress, Banff, Canada.
1. Keeley DW, and **Oliver GD**. [2011] Probability of shoulder pain in high school baseball pitchers. American College of Sports Medicine Annual Meeting, Denver, CO.

Thematic Poster Presentations

2. Johnson RJ, Henning L, **Oliver GD**, Weimar W [2013]. Effects of fatigue on kinematics of hip and pelvis in softball players. 60th Annual Meeting and 4th World Congress on Exercise is Medicine of the American College of Sports Medicine, Indianapolis Indiana.
1. Patel J, Jagodinsky A, **Oliver GD**, Weimar W [2013]. Force test of internal rotation during various isometric transverse pelvic girdle rotations. 60th Annual Meeting and 4th World Congress on Exercise is Medicine of the American College of Sports Medicine, Indianapolis Indiana.

Presentations

100. Plummer HP, **Oliver GD** [2013]. Influence of humeral elevation on shoulder kinetics in catchers throwing from their knees. XXIV Congress of the International Society of Biomechanics, Natal Brazil.
99. **Oliver GD** [2013]. Relationship between ground reaction forces, pelvic control and upper extremity kinetics during throwing: pre and post fatigue. XXIV Congress of the International Society of Biomechanics, Natal Brazil.
98. Plummer HA, **Oliver GD**. [2013]. Influence of shoulder rotation on shoulder kinetics in catchers throwing from the knees. Annual Meeting of the American Society of Biomechanics, Omaha Nebraska.
97. Patel J, Jagodinsky A, **Oliver GD**, Weimar W. [2013]. Role of pelvic girdle position in force development and electromyography in the latissimus dorsi. Annual Meeting of the American Society of Biomechanics, Omaha Nebraska.
96. **Oliver GD**, Stone AJ, Weimar WH. Effects of shoulder fatigue on ground reaction forces in softball players. 60th Annual Meeting and 4th World Congress on Exercise is Medicine of the American College of Sports Medicine, Indianapolis Indiana.
95. Fox JS, Rehm JM, Romer BH, Patel JH, **Oliver GD**, Weimar WH. A comparison of impulse from four loading configurations. 60th Annual Meeting and 4th World Congress on Exercise is Medicine of the American College of Sports Medicine, Indianapolis Indiana.
94. Cohen JA, Sherrill J, **Oliver GD**. Effects of fatigue on pelvic and scapula stabilizers in overhead throwing. 60th Annual Meeting and 4th World Congress on Exercise is Medicine of the American College of Sports Medicine, Indianapolis Indiana.

Presentations

93. Hosokawa Y, **Oliver GD**, Dittmore S, DeWitt T. [2013]. Availability of designated health care providers and emergency action plans in Arkansas high school athletics. National Athletic Trainers' Association Annual Meeting and Clinical Symposium, Las Vegas, NV.
92. **Oliver GD**, Dougherty E. [2013]. Landing mechanics in female basketball and soccer athletes. 60th Annual Meeting and 4th World Congress on Exercise is Medicine of the American College of Sports Medicine, Indianapolis Indiana.
91. **Oliver GD**, Stone AJ, Weimar W. [2013]. Effects of shoulder fatigue on ground reaction forces in softball players. 60th Annual Meeting and 4th World Congress on Exercise is Medicine of the American College of Sports Medicine, Indianapolis Indiana.
90. **Oliver GD**, Cohen JA, Sherrill J. [2013]. The effects of fatigue on pelvic and scapula stabilizers in overhead throwing. 60th Annual Meeting and 4th World Congress on Exercise is Medicine of the American College of Sports Medicine, Indianapolis Indiana.
89. Taylor S, **Oliver GD**, Plummer HA, Holt T. [2013]. A description of segmental speeds in the upper extremity in youth pitching: fastball and curveball. Southeast American College of Sports Medicine. Greenville, SC.
88. Parker J, Cohen JA, & **Oliver GD**. [2012]. Quantitative Analysis of the Slide Step Delivery in Adolescent Baseball Pitchers. The XXVIII International Conference on Biomechanics in Sports, Melbourne Australia.
87. **Oliver GD** & Johnson R. [2012]. Quantitative Analysis of Throwing Mechanics in Softball Positional Players. The XXX International Conference on Biomechanics in Sports Conference, Melbourne Australia.
86. Sola M, **Oliver GD**, Huddleston S. [2012]. Quantitative Examination of Pelvic and Scapular Stabilizing Muscle Activation during Shoulder Rehabilitation. American College of Sports Medicine, San Francisco, California.
85. Plummer HA, **Oliver GD**, Romasco A, Holt T. [2012]. Difference in Muscle Activations Following Drop Landing Biofeedback Intervention. American College of Sports Medicine, San Francisco, California.
84. Romasco A, MacDonald K, Cohen JA, & **Oliver GD**. [2012]. Hip Abduction Strength and its Relationship with Landing Mechanics. American College of Sports Medicine, San Francisco, California.
83. **Oliver GD**, Plummer HA, and Dwelly P. [2011]. Relationship between torso rotation and gluteal muscle group activation in baseball and softball catchers: skeletally immature and mature. American Society of Biomechanics Annual Conference, Long Beach, CA.
82. Plummer HA, and **Oliver GD** [2011]. Quantitative description of throwing from the knees in baseball and softball catchers. American Society of Biomechanics Annual Conference, Long Beach, CA.
81. **Oliver GD**, Plummer HA, and Dwelly P [2011]. Relationship between Torso Rotation and Gluteal Muscle Group Activation in Baseball and Softball Catchers. International Society of Biomechanics XXIIIrd Congress, Brussels Belgium.
80. **Oliver GD**. [2011]. Calcaneal Bone Cyst in Active Adult Female: A Case Study. World Federation of Athletic Training and Therapy World Congress, Banff, Canada.

Presentations

79. Roling K, **Oliver GD**, Dittmore S, and Moiseichik M. [2011]. Gluteus Medius to Adductor Muscle Activation Ratio: Effects on Dynamic Knee Valgus. World Federation of Athletic Training and Therapy World Congress, Banff, Canada.
78. Bonacci J, Kurani A, and **Oliver GD**. [2011]. An Investigation in Comparing Stable and Unstable Rescuer Positions of Spine Boarding Extraction Protocols of Undocumented Injury Scenarios in a Gymnastics Pit. World Federation of Athletic Training and Therapy World Congress, Banff, Canada.
77. Pettaway A, Dwelly P, Romasco A, Bonacci J, and **Oliver GD**. [2011]. Effects of the Combination of Ultrasound and Transcutaneous Electrical Muscle Stimulation on Hamstring Range of Motion. World Federation of Athletic Training and Therapy World Congress, Banff, Canada.
76. Black D, Stone AJ, Evanson K, and **Oliver GD**. [2011] Effects of different foot conditions on sEMG of the lower leg during a back squat. American College of Sports Medicine Annual Meeting, Denver, CO.
75. Plummer H, and **Oliver GD**. [2011] Kinematics of baseball and softball catchers throwing down to second base. American College of Sports Medicine Annual Meeting, Denver, CO.
74. William AJ, Adams-Blair HR, **Oliver GD**. [2011]. When in Doubt Tell the Truth: Lying in Sports. American Alliance of Health, Physical Education, Recreation, and Dance Annual Meeting, San Diego, CA.
73. Plummer H, **Oliver GD**. [2011] Quantitative description of muscle activation in catchers. South Central American Society of Biomechanics Annual Meeting, Dallas, TX.
72. Adams-Blair HR, **Oliver GD**. [2011] When in Doubt Tell the Truth: Lying in Sports. American Alliance of Health, Physical Education, Recreation, and Dance, San Diego, CA.
71. Adams-Blair HR, **Oliver GD**. [2011] Physical activity integrating into the classroom: Movement in the regular classroom. International Health and Wellness Conference, San Francisco, CA.
70. Keeley DW, **Oliver GD**, Hackett T, Torry M. [2010]. A model predicting anterior shear stress in the shoulder during the slide step delivery in high school baseball pitchers. American Society of Biomechanics Annual Conference in Providence, RI.
69. Plummer H, Keeley DW, **Oliver GD**. [2010] Windmill pitching kinetics: Injury implications for high school pitchers. American Society of Biomechanics Annual Conference in Providence, RI.
68. **Oliver GD**, Stone AJ, Plummer H, and Keeley DW. [2010]. Quantitative examination of core muscle activation during isometric exercises. American Society of Biomechanics Annual Conference in Providence, RI.
67. **Oliver GD**, Booker JM, Stone AJ, and Plummer HP. [2010]. Drop landings in military boots. American Society of Biomechanics Annual Conference in Providence, RI.
66. **Oliver GD**, Aldrich T, and Moiseichik M. [2010]. Quantitative analysis of sEMG of the upper extremity musculature while cutting common paddle sport entanglement materials using two different tools. American Society of Biomechanics Annual Conference in Providence, RI.
65. Keeley DW, Barber K, and **Oliver GD**. [2010]. Kinematic comparison of pelvis kinematics during the baseball pitch: fatigued and non-fatigued conditions. The XXVIII International Conference on Biomechanics in Sports Conference. Marquette, Michigan.

Presentations

64. **Oliver GD**, Abe M, and Keeley DW. [2010]. Quantitative analysis of core musculature during two types of baseball pitches: Fastball and change-up. The XXVIII International Conference on Biomechanics in Sports Conference. Marquette, Michigan. *New Investigator Award Finalist*
63. **Oliver GD**, and Plummer H. [2010]. Descriptive analysis of sEMG during the windmill softball pitch: Pre-fatigue and fatigued. The XXVIII International Conference on Biomechanics in Sports Conference. Marquette, Michigan.
62. **Oliver GD**, and Plummer H. [2010]. Ground reaction forces, kinematics, and muscle activations during the softball pitch. The XXVIII International Conference on Biomechanics in Sports Conference. Marquette, Michigan.
61. **Oliver GD**, and Plummer H. [2010]. Quantifying sEMG in pre-fatigue and fatigue states during the fastball baseball pitch. The XXVIII International Conference on Biomechanics in Sports Conference. Marquette, Michigan.
60. O'Brein, JE, Dwelley P, and **Oliver GD**. [2010]. Lack of Relationship Between Shoulder and Hip Range of Motion Changes in Division-I Baseball Pitchers. National Athletic Trainers' Association Annual Meeting, Philadelphia, PA.
59. Keeley, DW, and **Oliver GD**. [2010]. Kinematic Comparison of Two Delivery Styles in High School Baseball Pitchers. American College of Sports Medicine Annual Meeting, Baltimore, MA.
58. Plummer H, **Oliver GD**, and Keeley D. [2010]. Comparison of Shoulder Kinetics Across Two Delivery Styles in High School Baseball Pitchers. American College of Sports Medicine Annual Meeting, Baltimore, MA.
57. Aldrich T, Moiseichik M, and **Oliver GD** [2010]. Paddlesport Entanglement Safety Tools: Effectiveness and Efficiency in Knives and Shears. National Conference on Outdoor Leadership, Estes Park, CO.
56. Plummer H, **Oliver GD**, and Keeley D. [2010]. Quantative sEMG Description of Upper Extremity Muscle Activation during Baseball Pitching: Pre Fatigue & Fatigue. South Central American Society of Biomechanics, Texas Woman's University, Denton, TX.
55. Keeley D, and **Oliver GD**. [2010]. Model Predicting Shoulder Compressive Force during Baseball Pitching. South Central American Society of Biomechanics, Texas Woman's University, Denton, TX.
54. Bishop KA, **Oliver GD**, and Keeley DW. [2009]. The Effects of a Basketball Season on the Kinetics of Functional Movement in NCAA Division I Basketball Athletes. 4th Annual RAZOR Fitness Sports Medicine Symposium, Fayetteville, AR.
53. Rabe SB, and **Oliver GD**. [2009]. Clavicle Fracture in a Collegiate Football Player: A Case Report of Rapid Return to Play. 4th Annual RAZOR Fitness Sports Medicine Symposium, Fayetteville, AR.
52. Hall J, **Oliver GD**, and Stone AJ. [2009]. The Effects of Different Shoulder Stretching Protocols on Range of Motion. 4th Annual RAZOR Fitness Sports Medicine Symposium, Fayetteville, AR.
51. Plummer HA, **Oliver GD**, and Keeley DW. [2009]. Kinematic Comparison of Pre-pubescent & Post-pubescent Softball Catchers. 4th Annual RAZOR Fitness Sports Medicine Symposium, Fayetteville, AR.
50. Booker JM, **Oliver GD**, Stone AJ, and Keeley DW. [2009]. A Kinematic and EMG Analysis of Drop Landing in Military Boots. 4th Annual RAZOR Fitness Sports Medicine Symposium, Fayetteville, AR.

Presentations

49. Barber KB, Keeley DW, and **Oliver GD**. [2009]. Fatigue of the Gluteus Maximus and Gluteus Medius in Relation to Pelvic Kinematics in Baseball and Softball Pitching. 4th Annual RAZOR Fitness Sports Medicine Symposium, Fayetteville, AR.
48. Keeley D. and **Oliver GD**. [2009]. Predicting Lower Extremity Strength Deficits in College Students Using Common Field Power Tests. Central States Chapter of the American College of Sports Medicine: Columbia, MO.
47. Perkey D, and **Oliver GD**. [2009]. Anatomical and Biomechanical Considerations for the Overhead Throwing Athlete. Arkansas Alliance of Health Physical Education, Recreation and Dance Annual Meetings. Eureka Springs, Arkansas.
46. **Oliver GD**, and Perkey D. [2009] Biomechanics of the Windmill Softball Pitch. Arkansas Alliance of Health Physical Education, Recreation and Dance Annual Meetings. Eureka Springs, Arkansas.
45. Adams-Blair HR, and **Oliver GD**. [2009] Implementation of a Core Stability Program in Physical Education Classes of Elementary School Children. Physical Education Teacher Education Conference. Myrtle Beach South Carolina.
44. Keeley DW, **Oliver GD**, Dwelly P, Hoffman H, and Dougherty CP. [2009]. Relationships between hip and shoulder rotation during baseball pitching. XXVII International Society of Biomechanics in Sports Conference. Limerick, Ireland.
43. Hoffman H, **Oliver GD**, Keeley DW, Barber K, and Dwelly P. [2009]. The relationship between gluteal activity and pelvic kinematics during the windmill softball pitch. XXVII International Society of Biomechanics in Sports Conference. Limerick, Ireland.
42. Keeley DW, **Oliver GD**, Dwelly P, and Hoffman H. [2009]. A kinematic description of the post pubescent windmill softball pitching motion. XXVII International Society of Biomechanics in Sports Conference. Limerick, Ireland.
41. Keeley DW, **Oliver GD**, Dwelly P, and Hoffman H. [2009]. A kinematic comparison of the youth pitching motion across prepubescent and pubescent pitchers. XXVII International Society of Biomechanics in Sports Conference. Limerick, Ireland.
40. Dwelly P, **Oliver GD**, Adams-Blair HR, Keeley DW, and Hoffman H. [2009]. Improved muscle activation in performing a functional lunge compared to the traditional squat. XXVII International Society of Biomechanics in Sports Conference. Limerick, Ireland.
39. **Oliver GD**, Dwelly P, Keeley DW, and Hoffman H. [2009]. Upper extremity and core muscle firing patterns during the windmill softball pitch. XXVII International Society of Biomechanics in Sports Conference. Limerick, Ireland.
37. **Oliver GD**, Dwelly P, Keeley DW, and Hoffman H. [2009] Examination of gluteal muscle firing and kinetics of the lower extremity during the windmill softball pitch. XXVII International Society of Biomechanics in Sports Conference. Limerick, Ireland.
36. **Oliver GD**. [2009]. Athletic Pubalgia. Southwest Athletic Trainers' Association Annual Meeting. Arlington, TX.
35. Helmer RA, Dwelly P, and **Oliver GD**. [2009]. Analysis of Navicular Drop in Moderately Active College Students. World Federation of Athletic Training and Therapy. San Antonio, TX.

Presentations

34. Keeley DW, **Oliver GD**, and Wicke J. [2009]. The Kinematics of Arm Decelerations as They Relate to Overuse Injury in Youth Pitchers of Various Ages. World Federation of Athletic Training and Therapy. San Antonio, TX.
33. Dwelly P, **Oliver GD**, and Kwon Y-H. [2009]. Kinematic Motion of the Windmill Softball Pitch in Prepubescent and Pubescent Females. World Federation of Athletic Training and Therapy, San Antonio, TX.
32. Keeley DW, and **Oliver GD**. [2009]. Kinematic Differences in Youth Baseball Pitchers: An Investigation into the Cocking and Acceleration Phases. American College of Sports Medicine, Seattle, Washington.
31. Dwelly P, **Oliver GD**, and Adams-Blair HR. [2009]. Improved Muscle Activation In Performing a Functional Lunge Versus A Traditional Squat. American College of Sports Medicine, Seattle, Washington.
30. **Oliver GD**, and Dougherty CP. [2009]. Muscle Activation of the Contralateral Leg During An Acute Achilles Tendon Rupture. American College of Sports Medicine. Seattle Washington.
29. Esslinger FT, Esslinger KA, Dwelly PM. and **Oliver GD**. [2009]. Identifying a need for functional movement analysis in recreationally active college students - a pilot study. American Alliance for Health, Physical Education, Recreation and Dance, Tampa FL.
28. **Oliver GD**, and Adams-Blair H. (2009). Core Stability in School Aged Children. American Alliance for Health, Physical Education, Recreation and Dance, Tampa FL.
27. **Oliver GD**, and Adams-Blair H. [2009]. Athletic Injury Prevention through Core Strengthening In Females. American Alliance for Health, Physical Education, Recreation and Dance, Tampa FL.
26. Hoffman HJ, Dwelly PM, Barber KB, Keeley DW, and **Oliver GD**. [2009]. The Relationship Between Pelvic Kinematics and Gluteal Activity. 3rd Annual RAZOR Fitness Sports Medicine Symposium, Fayetteville, AR.
25. Rabe SB, **Oliver GD**, and Stone AJ. [2009]. Athletic Pubalgia. 3rd Annual RAZOR Fitness Sports Medicine Symposium, Fayetteville AR.
24. **Oliver GD**. [2009]. Injury Prevention and Performance Enhancement. NWA Dance Collation, Fayetteville, AR.
23. Perkey D, and **Oliver GD**. [2008]. Communicating in Different Languages: How to Bridge the Communication Gap between Coaches and Athletic Trainers. Arkansas Alliance for Health, Physical Education, Recreation and Dance. Little Rock, AR.
22. **Oliver GD**, and Perkey D. [2008]. The Athletic Hernia. Arkansas Alliance for Health, Physical Education, Recreation and Dance. Little Rock, AR.
21. Keeley DW, **Oliver GD**, and Wicke J. [2008]. Stride Phase Kinematics in Youth Baseball Pitchers and Their Relation to Overuse Injuries. Central States Chapter of the American College of Sports Medicine: Kansas City, KS.
20. **Oliver GD**. [2008]. Be Strong to Live Strong. Presented at the Strengthening Our Community by Strengthening our Workforce Skills: Jones Center for Families, Springdale, AR. (*Keynote Speaker*)
19. **Oliver GD**, and Kern J. [2008]. Small Group Activities. University of Arkansas Teaching Camp; Pettie Jean Mountain, Arkansas.

Presentations

18. **Oliver GD**, and Adams-Blair HR. [2008]. Core Stability: Playing a Major Role in Athletic Injury Prevention. National Coaching Educators' Conference; The Canyons, Utah.
17. DiBrezza R, Fort IL, **Oliver GD**, and Adams-Blair HR. [2008]. Bone Health and Exercise in Active Females. American Alliance for Health, Physical Education, Recreation and Dance National Convention and Exposition; Fort Worth, Texas.
16. **Oliver GD**. [2008]. The RAZOR Curl. Presented at the RAZOR Fitness Sports Medicine Symposium, Fayetteville, AR, February.
15. **Oliver GD**. [2007]. Core Strengthening: Playing a Major Role in Prevention of Athletic Injury. Presented at the November Arkansas Alliance of Health Physical Education, Recreation and Dance Annual Meetings. Eureka Springs, Arkansas.
14. **Oliver GD**, and Adams-Blair HR. [2007]. Integration of Physical Activity Into the Daily Classroom Setting for Elementary Children. Presented at the American Academy of Pediatrics National Conference & Exhibition; San Francisco, California. *Abstract Oded Bar-Or Award Recipient*
13. **Oliver GD**, and Adams-Blair HR. [2007]. Implementation of Effective Core Stability Activities for Elementary Children. Presented at the American Academy of Pediatrics National Conference & Exhibition; San Francisco, California.
12. **Oliver GD**. [2007]. Biomechanics of Throwing. Oral Presentation at the RAZOR Fitness Sports Medicine Symposium; Fayetteville, Arkansas.
11. **Oliver GD**, and Adams-Blair HR. [2007]. The Importance of Sports Participation in the Lives of Young Females. Girls & Women Rock: Celebrating 35 Years of Sport & Title IX Symposium; Cleveland, Ohio.
10. DiBrezza R, Fort IL, and **Oliver GD**. (2007). Coming Full Circle: Athletics Playing with Academia. American Alliance for Health, Physical Education, Recreation and Dance National Convention and Exposition; Baltimore, Maryland.
9. **Oliver GD**. (2006). Surface Anatomy of the Upper Extremity. Oral Presentation at the Southwest Athletic Trainers' Association Annual Meeting. Little Rock, Arkansas.
8. Adams-Blair H, and **Oliver G**. (2006). Physical Activity and Nutrition Integration into the Classroom: Pilot Program for Kentucky. Oral Presentation at the American Alliance for Health, Physical Education, Recreation and Dance National Convention and Exposition; Salt Lake City, Utah.
7. Adams-Blair HR, and **Oliver GD**. (2006). Importance of Physical Activity and Sports Participation on Young Females. Presentation at the 4th Annual Conference on Girls' and Women's Physical Activity and Sport Sponsored by the Louisiana State University in Shreveport; Department of Kinesiology and Health Science.
6. **Oliver G**. (2005). Practical Living Academy at Eastern Kentucky University. Implementing Ultimate Frisbee and disk golf in practical settings.
5. **Oliver G**, Wilkerson J, and Kwon Y-H. (2004). Three dimensional analysis of the windmill softball pitch. Oral Presentation at The Proceedings XXIInd International Symposium on Biomechanics in Sports. Ottawa, Canada.
4. **Oliver G**. (2004). Game Day. *Best Practices in the Classroom*. Athletic Trainers Educators Summit College of Mount St. Joseph.

Presentations

3. **Oliver G**, Wilkerson J, and Kwon Y-H. (2003). The kinematics of the windmill softball pitch. Presentation at The Scientific Proceedings of the VIIth International Olympic World Congress on Sport Sciences. Athens, Greece. *Prince de Merode Award Finalist*.
2. **Oliver G**. (2003). Prevention and Rehabilitation of Track Injuries. Presented at the Kentucky Track Association Clinic, Eastern Kentucky University.
1. **Oliver G**, Ables A, Kwon Y-H, and Wilkerson JD. (2003). Kinematics and Kinetics of the Windmill Softball Pitch. Presented at the National Conference on Girls' and Women's Physical Activity and Sport. Louisiana State University, Shreveport.

Book Reviews

1. Lumpkin A. (2013). Introduction to Physical Education, Exercise Science, and Sports Studies. McGraw-Hill.
2. Miller MG, and Berry DC. (2011). Emergency Response Management for Athletic Trainers. Wolters Kluwer: Lippincott Williams & Wilkins.
3. Knight KL, and Draper DO. (2008). Therapeutic Modalities: The Art and Science. Wolters Kluwer; Lippincott Williams & Wilkins.
4. Prentice WE. (2005). Therapeutic Modalities: For Sports Medicine and Athletic Training. New York, NY: McGraw-Hill Higher Education. (5th ed.)

Journal Reviewer

Biomedical Engineering and Biotechnology June 2013-present
Medical & Biological Engineering & Computing Journal 2013-present
International SportMed Journal 2012-present
Scandinavian Journal of Medicine and Sports Sciences 2011-present
Journal of Sports Health 2011-present
Journal of Sports Sciences 2011-present
Medicine & Science in Sports & Exercise 2011-present
Journal of Multidisciplinary Healthcare 2011-present
Journal of Sports Medicine 2011-present
Journal of Sport Biomechanics 2011- present
Journal of Athletic Training 2010-present
International Journal of Athletic Therapy & Training 2010-present
Journal of Physical Activity & Health 2009 - present
Athletic Training Education Journal 2008 - present

RAZOR Sports Medicine Symposium Founder

Developed, organized, and conducted the RAZOR Sports Medicine Symposium for 6 consecutive symposiums [2006-2012].

Mentorship Program

Professional mentor for the International Society of Biomechanics Mentorship Program 2011-present
Professional mentor for the American Society of Biomechanics Mentorship Program 2011-present
Professional mentor for the American College of Sports Medicine Mentorship Program 2010-present

Grants & Contracts

Sefton JM. DOD ContractW911NF-11-D-0001: AU Warrior Research Center project team for contract extension of "Volunteer Investigations for Mounted and Head-Supported Mass in Dismounted Operations"; \$91,000. (**Oliver** % effort: 25%). *Electromyographical analysis of lumbar and cervical spine musculature during mounted and head-supported mass in dismounted operations.*

Oliver GD. [Spring 2013] \$4, 875 College of Education Seed Grant. Auburn University "Effects Competitive Tennis Match Play Duration has on Serve Kinematics, Accuracy and Speed".

Dougherty, E. **Oliver GD.** [Fall 2012] \$2,650 University of Arkansas Honors College "Landing mechanics in female basketball and soccer athletes".

Sherrill, J. **Oliver GD.** [Fall 2012] \$2,650 University of Arkansas Honors College "Effects of fatigue on pelvic and scapula stabilizers in overhead throwing".

Kaminski, S. **Oliver GD.** [Spring 2012]. \$2,650 University of Arkansas Honors College. "Hip Abduction Strength and Its Relationship with Sequential Movement and Ball Velocity in Softball Players."

Platt B, **Oliver GD.** (Fall 2011). \$2,650 University of Arkansas Honors College. "Kinematics of Two Different Overhand Throws: Baseball Pitch and Football Pass."

Oliver GD. (Summer 2011). \$5000 University of Arkansas College of Education & Health Professions Summer Research Grant. "Identifying Scapular Abnormalities".

Byers C, **Oliver GD** (Spring 2011). \$2000 University of Arkansas Honors College. "Effects of Barefoot Technology on Lower Extremity Kinematics While Jumping. "

Faculty Mentor, \$1,000 International Society of Biomechanics Congress Travel Grant. Dwelly P, Plummer H, **Oliver GD.** Quantitative analysis of throwing kinematics of skeletally

Principal Investigator, \$8,500 with University of Arkansas Women's Giving Circle "Kinematic and EMG Analysis of Female Softball Catchers." **Oliver GD** (Awarded April, 2010).

Oliver GD, Keeley DW. (Fall 2010) \$5,000 American College of Sports Medicine Doctoral Student Research Grant. "Identifying Upper Extremity Fatigue during Extended Performances in Young Baseball Pitchers" (*Mentored*)

Barber KB, **Oliver GD.** (Spring 2010) \$2,250 University of Arkansas Honors College. "Fatigue of Gluteus Maximus and Gluteus Medius in Relation to Pelvic Kinematics in Baseball and Softball Pitching"

Booker JM, and **Oliver GD.** (Spring 2010) 2,000 with Arkansas Department of Higher Education, Student Undergraduate Research Fellowship (SURF). "Military Boots: Minimizing Knee Valgus in Drop Landings.

Barber KB, **Oliver GD.** (Fall 2009) \$2,000 University of Arkansas Honors College. "Fatigue of Gluteus Maximus and Gluteus Medius in Relation to Pelvic Kinematics in Baseball and Softball Pitching"

Grants & Contracts

Booker JM, **Oliver GD**. (Fall 2009)\$2,250 University of Arkansas Honors College. "Military Boots: Minimizing Knee Valgus in Drop Landings"

Principal Investigator, \$70,000 with Arkansas Biosciences Institute- "Impact of Tobacco Use on the Results of Rotator Cuff Repair." **Oliver, G.D.** (Awarded July, 2009).

Honors & Awards

Service & Research

- 2013 Appointed as Chair of the SPORTS BIOMECHANICS: THROWING SESSION at the International Society of Biomechanics. Natal, Brazil.
- 2013 Appointed to the Journal of Athletic Medicine Editorial Board
- 2012 Appointed Fellow of the American College of Sports Medicine

Academic & Research

- 2013 Outstanding Alumni Award College of Education University of Arkansas
- 2012 Distinguished Faculty Award from the University of Arkansas Honors College
- 2011 University of Arkansas Department of Health, Kinesiology, Recreation and Dance Outstanding Research Award
- 2010 University of Arkansas College of Education and Health Professions Rising S.T.A.R. [Service Teaching and Research] Award
- 2010 University of Arkansas Department of Health, Kinesiology, Recreation and Dance Outstanding Research Award
- 2008 University of Arkansas Department of Health, Kinesiology, Recreation and Dance Outstanding Service Award

Professional Memberships

- 2009-Present National Strength and Condition Association
- 2009-Present International Society of Biomechanics in Sports
- 2009- Present American Society of Biomechanics
- 2006-Present Arkansas Athletic Trainers' Association
- 2006-Present American College of Sports Medicine
- 1996-Present National Athletic Trainers' Association
- 1995-Present Southwest Athletic Trainers' Association
- 1996-Present University of Arkansas Alumni Association
- 1996-Present Alumni of Phi Beta Phi Sorority
- 1994-Present American Alliance of Health, Physical Education, Recreation, & Dance

Teaching Experience

Auburn University

KINE 3620	Biomechanics
KINE 7670	Laboratory Techniques in Biomechanics
KINE 7660	Biomechanics of Sport Injury and Rehabilitation

University of Arkansas

KINS 5262	Clinical in Athletic Training VI (Spring 2008, 2010-2012)
KINS 5773	Performance and Drugs (Spring 2007-2012)
KINS 4323	Analytical Basis of Human Movement (Spring 2007-2009)
KINS 5593	Laboratory Practicum (Fall 2007, Summer 2008-2012)
KINS 5252	Clinical in Athletic Training V (Fall 2006, 2007)
KINS 3093	Tapping and Wrapping Applications in Athletic Training (Fall 2006)
KINS 5463	Therapeutic Exercise and Rehabilitation of Athletic Injuries (Fall 2006-2012)
KINS 5453	Therapeutic Modalities (Summer 2007, Fall 2008-2012)

Stephen F. Austin State University

KIN 476	Therapeutic Modalities (Spring 2006)
KIN 476L	Therapeutic Modalities Laboratory (Spring 2006)
KIN 531	Therapeutic Modalities (Spring 2006)
KIN 531L	Therapeutic Modalities Laboratory (Spring 2006)
KIN 357	Introduction to Athletic Training (Fall 2005)
KIN 522	Clinical Practicum in Athletic Training II (Fall 2005)
KIN 554	Introduction to Athletic Training (Fall 2005)

Eastern Kentucky University

ATR 211	Upper Extremity Evaluation of Athletic Injuries (Fall 2003, 2004)
ATR 212	Lower Extremity Evaluation of Athletic Injuries (Spring 2003, 2004, 2005)
ATR 302	Clinical Practicum in Athletic Training, Level IIB (Spring 2004)
ATR 311	Therapeutic Modalities (Fall 2002, 2003, 2004)
ATR 312	Rehabilitation of Athletic Injuries (Spring 2003)

Outreach

July 16-26, 2013	Co-Director and Coordinator of Auburn Speed and Agility Camp through the Auburn University Sport Optimization Center
June 17-21, 2013	Co-Director and Coordinator of Auburn Speed and Agility Camp through the Auburn University Sport Optimization Center
Fall 2005	Volunteer with the victims of Hurricane Rita, Nacogdoches Texas.
Fall 2005	Volunteer with the victims of Hurricane Katrina, Nacogdoches Texas.
Sum 2005-Fall 2005	Co-Coordinator of Practical Living Academy; Kentucky Department of Education
Spring 2005	Relay for Life Volunteer Eastern Kentucky University

Service

Fall 2012	Department of Kinesiology Faculty Search Committee [3 positions]
August 2011- Present	University of Arkansas Honors College Strategic Planning Committee
July 2011- Present	University of Arkansas Student Honors, Awards and Convocation Committee
March 2010-Present	University of Arkansas Honors College Study Abroad Grant Proposal Reviewer
August 2009-Present	Member of the University of Arkansas Landscape Committee
August 2009-Present	Member of the University of Arkansas Artist and Concerts Committee
June 2009-Present	NATA Convention Program Committee
February 2009-Present	Indo Board Fitness Advisory Board
July 2008- Present	Southwest Athletic Training Students' Association Advisory Board Chair
Spring 2008-Present	Member of Audit Committee Central States Chapter of the American College of Sports Medicine
Spring 2008-Present	Member of College Honors Council
Fall 2007-Fall 2010	Member of the University Academic Standards Committee
Fall 2007-Present	Member of the College Health Advisory Committee
Fall 2007-Present	Alternate Representative for Department of HKRD on the College Council
Fall 2007-Present	Program Committee Arkansas Athletic Trainers' Association
Fall 2005-Present	Southwest Athletic Training Students' Association Advisory Board
Fall 2006-Present	Community Service Committee: Kendrick Fincher Heat Illness-Awareness.
Fall 2006-Present	Faculty Advisor for Razorback Athletic Trainers' Association.
Spring 2005-Present	Item Writer for the Board of Certification National Athletic Trainers' Association Exam Committee
Spring 2005	Member of Board of Certification (National Athletic Trainers' Association) Cut Score Study

Certifications

Certified Athletic Trainer; National Athletic Trainers Association Board of Certification
State of Alabama Athletic Trainers License
NATA Approved Clinical Instructor
Red Cross Standard First Aid
American Heart Association Healthcare Provider CPR and AED
Clinical Instructor Educator (CIE)