

# Patricia M. Kelshaw, PhD, LAT, ATC

Assistant Professor of Athletic Training

The University of New Hampshire

Department of Kinesiology

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NPI: 1982280228

## ACADEMIC APPOINTMENT

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2020-Present

### Assistant Professor

University of New Hampshire, Durham NH

Department of Kinesiology

College of Health and Human Services

Commission on Accreditation of Athletic Training Education Accredited Program

*Graduate Faculty Appointment as of November 2020*

## EDUCATION

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May 2020

### Doctor of Philosophy in Education

George Mason University, Manassas VA

*Specialization:* Kinesiology

*Dissertation:* Refining the Clinical Usefulness of the Child Sport Concussion Assessment Tool 5<sup>th</sup> Edition

May 2016

### Master of Science in Exercise, Fitness, Health Promotion

George Mason University, Manassas VA

*Research Project:* Isometric Cervical Muscle Strength Does Not Affect Head Impact Kinematics in High School Boys' Lacrosse Players

May 2014

### Bachelor of Science in Athletic Training

George Mason University, Manassas VA

*Institutional Honors:* Cum Laude

Commission on Accreditation of Athletic Training Education Accredited Program

## PROFESSIONAL EXPERIENCE

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2018-Present

### Research Fellowship

Harvard Medical School & Massachusetts General Hospital, Charlestown MA

Research Fellow

Accelerate Knowledge/Improve Care: Concussion Research Program for Young Investigators

*Press:* News at Mason, November 14, 2018: [Harvard fellowship complemented her Mason experience.](#)

2019

### Interim Clinical Education Coordinator

George Mason University, Manassas VA

Managed clinical site placements and clinical site evaluations for all undergraduate and graduate students in the Athletic Training Education and Masters of Science in Athletic Training Programs

**2014-2018**                    **Graduate Research Assistant**  
George Mason University, Manassas VA  
Graduate Assistant to Dr. Shane Caswell and Dr. Nelson Cortes  
Managed multiple projects through the Sports Medicine Assessment & Research Testing (SMART) Laboratory  
Gained experience with data collection, leadership, and publications noted below

**2017-2018**                    **Research Fellowship**  
University of Southern Mississippi, Hattiesburg MS  
Applied Biomechanics Impact Laboratory  
Conducted helmet testing research that resulted in peer-reviewed publications

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## **ATHLETIC TRAINING EXPERIENCE**

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**2018-2019**                    **Ali Krieger Football Camps**  
Dumfries VA  
Athletic Trainer  
Provided outreach care to developing youth and adult soccer athletes with Olympian and World Cup player, Ali Krieger

**2014-2017**                    **Central Loudoun Youth Football League**  
Leesburg VA  
Head Athletic Trainer  
Coordinated with a team of athletic trainers to provide care to a large metropolitan youth football organization  
Directed clinical supervision to athletic training students  
Provided comprehensive athletic training services to youth football athletes

**2014-2017**                    **Upper Loudoun Youth Football League**  
Leesburg VA  
Assistant Athletic Trainer  
Engaged in community outreach by providing athletic training services to youth athletes  
Collaborated with Youth Safety Solutions LLC, to ensure appropriate onsite care for youth athletes

**2015-2016**                    **DC Divas, Professional Women's Football**  
Washington DC  
Athletic Trainer for local community women's professional football  
Coordinated onsite care with physicians

**2015**                            **Integrated Sports Medicine and Physical Therapy**  
Fairfax VA  
Provided athletic training onsite care for local soccer development programs

**2014**                            **Haymarket Physical Therapy & Chiropractic**  
Gainesville VA  
Delivered athletic training onsite care for youth rugby tournaments  
Coordinated emergency action plans with local emergency medical personnel

## TEACHING EXPERIENCE

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- 2020-Present**                    **Assistant Professor**  
University of New Hampshire, Durham NH  
*Undergraduate Courses:*  
AT 718: Career Preparation in Athletic Training  
AT 665E: Athletic Training Practicum  
AT 715: Seminar in Athletic Training  
AT 665D: Athletic Training Practicum
- 2020-Present**                    **Independent Study Supervisor**  
*Undergraduate Courses:*  
BMS 799H Biomedical Senior Honors Thesis  
*Advisees:* 3
- 2017-2020**                    **Independent Study Supervisor**  
George Mason University, Manassas VA  
*Undergraduate Courses:*  
ATEP 499 Undergraduate Student Independent Study  
*Advisees:* 5  
*Graduate Courses:*  
EFHP 798 Graduate Student Independent Study  
*Advisees:* 19
- 2015-2020**                    **Adjunct Professor**  
George Mason University, Manassas VA  
*Undergraduate Courses:*  
ATEP 120 First Aid and Emergency Care  
ATEP 150 Introduction to Athletic Training and Preventative Care Techniques  
ATEP 460 Pediatric Sports Medicine  
ATEP 476 Athletic Training Practicum  
ATEP 480 Athletic Training Research  
*Graduate Courses:*  
ATEP 566 Athletic Training Practicum  
ATEP 680 Athletic Training Research  
ATEP 660 Pediatric Sports Medicine
- 2014-2020**                    **Teaching Assistant**  
George Mason University, Manassas VA  
*Undergraduate Courses:*  
ATEP 120 First Aid and Emergency Care  
ATEP 150 Introduction to Athletic Training and Preventative Care Techniques  
ATEP 255 Physical Assessment of the Lower Body  
ATEP 265 Physical Assessment of the Upper Body  
ATEP 310 Advanced Functional Anatomy  
ATEP 325 Athletic Training Foundations  
ATEP 350 Therapeutic Interventions  
*Graduate Courses:*  
ATEP 510 Advanced Functional Anatomy  
ATEP 660 Pediatric Sports Medicine  
ATEP 676 Athletic Training Practicum
- 2014-2017**                    **Athletic Training Clinical Preceptor**  
George Mason University, Manassas VA  
Served as a clinical instructor for undergraduate and graduate athletic training students

# SCHOLARSHIP

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## Peer-Reviewed Published Articles

*Note:* An underline denotes a student mentee working under my supervision; \*denotes corresponding author

1. **Kelshaw, P. M.\***, Cook, N., Terry, D., Iverson, G. L., & Caswell S. V. (2021) Child Sport Concussion Assessment Tool 5th Edition: Normative Reference Values in Demographically Diverse Youth. *Clinical Journal of Sports Medicine*. E-Pub Ahead of Print.
2. Caswell, S.V., **Kelshaw, P. M.**, Lincoln, A. E., Herman, D., Vincent, H. K., & Cortes, N. (2020). The Effect of Protective Headgear on Frequency and Magnitude of Impacts in Girls' High School Varsity Lacrosse. *Orthopaedic Journal of Sports Medicine*, 8(12),2325967120969685.
3. Iverson, G. L., **Kelshaw, P. M.**, Cook, N., & Caswell S. V. (2019) Middle School Children with Attention-Deficit/Hyperactivity Disorder Have a Greater Concussion History. *Clinical Journal of Sports Medicine*. 31(5), 438-441.
4. Cook, N., **Kelshaw, P. M.**, Iverson, G. L., & Caswell S. V. (2019) Children with Attention-Deficit/Hyperactivity Disorder Perform Differently on Pediatric Concussion Assessment. *Pediatrics*. 214(Epub), 168-174.
5. Caswell, S.V., **Kelshaw, P. M.**, Lincoln, A.E., Hepburn, L., Dunn, R., Cortes, N. (2019) Game-Related Impacts in High School Boys' Lacrosse. *Orthopaedic Journal of Sports Medicine*. 7(4) 2325967119835587.
6. **Kelshaw, P. M.**, Gould, T., Jesunathadas, M., Cortes, N., Caswell, A., Edwards, E., & Caswell, S. V. (2018) Laboratory Performance Evaluation of Pristine and Used Headgear for Girls' Lacrosse. *Journal of Applied Biomechanics*, 35(4), 297-302.
7. **Kelshaw, P. M.**, Cortes, N., Caswell, A., & Caswell, S. (2018) Isometric Cervical Muscle Strength Does Not Affect Head Kinematics in High School Boys' Lacrosse. *International Journal of Athletic Therapy and Training*. 23(6), 234-238.
8. Caswell, S. V., Lincoln, A. E., Stone, H., **Kelshaw, P. M.**, Putukian, M., Hepburn, L., Cortes, N. (2017). Characterizing Verified Head Impacts in High School Girls' Lacrosse. *The American Journal of Sports Medicine*, 45(14), 3374-3381.

## Articles Under Review

*Note:* An underline denotes a student mentee working under my supervision; \*denotes corresponding author

1. **Kelshaw, P. M.\***, Hacherl, S., Kocik, A., Woodring, S., Hepburn, L., Lincoln, A., & Caswell, S. V. (2021). Characterizing Head Impacts in Youth Lacrosse. *Journal of Sports Science*.
2. **Kelshaw, P. M.\***, Cook, N. E., Terry, D., Iverson, G. L., & Caswell S. V. (2021) Interpreting Change on the Child Sport Concussion Assessment Tool 5th Edition. *Journal of Science and Medicine in Sport*.
3. **Kelshaw, P. M.\***, Hepburn, L., Lincoln, A., Cortes, N., & Caswell S. V. (2021) Girls' Lacrosse Players Attitudes Towards Protective Headgear. *Research in Sports Medicine*.
4. Erdman, N. E., **Kelshaw, P. M.**, Hacherl, S., & Caswell, S. V. (2021) Diagnostic Properties of the Child Sport Concussion Assessment Tool 5<sup>th</sup> Edition Among Middle School Children. *Sports Medicine*.
5. Herman, D. C., Caswell, S. V., **Kelshaw, P. M.**, Vincent, H. K., & Lincoln, A. E. (2021) The Effect of Headgear Use on Concussion Injury Rates in High School Lacrosse. *British Journal of Sports Medicine*.

## Articles in Development

*Note:* An underline denotes a student mentee working under my supervision; \*denotes corresponding author

1. **Kelshaw, P. M.\***, Bowman, T., & Kneavel, M., & Rainone, C. (Preparing for Submission). Headgear Safety Attitudes Among Women's Lacrosse Stakeholders: Quantitative Results. *American Journal of*

*Sports Medicine.*

2. **Kelshaw, P. M.\***, Bowman, T., & Kneavel, M. & Rainone, C. (Preparing for Submission). Headgear Safety Attitudes Among Women's Lacrosse Stakeholders: Qualitative Results. *American Journal of Sports Medicine*.
3. Caswell, S.V., **Kelshaw, P. M.**, Ambegaonkar, J., Kerr, Z., Echemendia, R. J., Webbe, F., & Gonzalez, G. (Preparing for Submission). Barriers to Concussion Health Literacy Among Latino Families. *Health Education Journal*.
4. **Kelshaw, P. M.\***, Cook, N. E., Terry, D., Iverson, G. L., & Caswell S. V. (Finalizing Manuscript) Interpreting Day-of-Concussion Scores the Child SCAT5 for Middle School Athletes. *JAMA Pediatrics*.
5. **Kelshaw, P. M.\***, Hupp, T., Hallsmith, K. R., Caswell, A., & Caswell, S. V. (Finalizing Manuscript) Examining Health-Related Quality of Life in Middle School Athletes. *Journal of Athletic Training*.
6. **Kelshaw, P. M.**, Lincoln, A. E., Caswell, S. V., & Herman, D. (Drafting) Perceptions of Headgear Safety Among High School Girls' Lacrosse Stakeholders.
7. Lincoln, A. E., **Kelshaw, P. M.**, Caswell, S. V., & Herman, D. (Drafting) Perceptions of Headgear Safety Among High School Girls' Lacrosse Programs that Do or Do Not Mandate Headgear.
8. Washington, E., **Kelshaw, P. M.**, Cook, N. E., & Caswell, S. V., (Drafting) Children with Attention-Deficit/Hyperactivity Disorder Endorse Poorer Health-Related Quality of Life than their Counterparts. *Pediatrics*.
9. Hacherl, S., **Kelshaw, P. M.**, & Caswell, S.V. (Drafting) Concussion Rates and Sports Participation Time Loss in Middle School Sports Over 5 Years. *American Journal of Sports Medicine*.
10. Erdman, N. K., **Kelshaw, P.M.**, & Caswell, S. V., (Drafting) Effects of Footwear and Environment on Baseline Administration of the mBESS among Middle School Athletes. *Journal of Athletic Training*.
11. **Kelshaw, P. M.\***, Hacherl, S., & Caswell, S. V. (Data Collected) Investigating the Effects of Concussion on Pediatric Quality of Life (Data Collected). *Pediatrics*.
12. **Kelshaw, P.M.**, & Morrell, J. (Gathering Data). Examining Brain Health in College Students. *TBD*.
13. Beidler, E., **Kelshaw, P. M.**, Bowman, T., Decker, M., (Gathering Data). Relationship between Primary Language, National Origin, and Concussion Diagnosed, Management, and Recovery. *TBD*.
14. Beidler, E., Resch, J., Larson, M., **Kelshaw, P. M.**, Munce, T., Decker, M., Cifu, D. (Gathering Data). The Interplay of Race on Recovery from Sport Concussion in Collegiate Athletes: Patients and Providers. *TBD*.
15. Bowman, T., Beidler, E., **Kelshaw, P. M.**, Resch, J., & Cifu, D. (Gathering Data). The influence of Academic Adjustments on Recovery from Sport Concussion in Collegiate Athletes. *TBD*
16. Didehbani, N., Wilmoth, K., Beidler, E., **Kelshaw, P. M.**, Resch, J., & Cifu, D. (Gathering Data). The Influence of ADD/ADHD on Recovery from Sport Concussion in Collegiate Athletes. *TBD*.

**Peer-Reviewed National Published Abstracts**

*Note:* An underline denotes a student mentee working under my supervision

1. **Kelshaw, P. M.\***, Cook, N. E., Iverson, G. I., Terry, D. P., Erdman, N. K., Hacherl, S., Cortes, N., & Caswell, S. V. (2021) Test-Retest Reliability of the Child Sport Concussion Assessment Tool 5<sup>th</sup> Edition. *Medicine & Science in Sports & Exercise*.

2. Hacherl, S., **Kelshaw, P. M.**, Erdman, N. K., Dunn, R. E., Martin, J., Ambegaonkar, J., Lincoln, A. E., & Caswell, S. V. (2021) Concussion Rates of Sex-Matched Sports in US Middle School Athletes Over Five School Years. *Medicine & Science in Sports & Exercise*.
3. Eshelman, M., **Kelshaw, P. M.**, Blackstone, A., Hacherl, S., Erdman, N. K., Caswell, A. M., & Caswell, S. V. (2021) Sport Differences in Pediatric Quality of Life Among Middle School Athletes. *Medicine & Science in Sports & Exercise*.
4. Lincoln, A. E., **Kelshaw, P. M.**, Vincent, H. K., Caswell, S. V., & Herman, D. (2021) Coaches' Perceptions of Headgear Safety in High School Girls' Lacrosse. *Medicine & Science in Sports & Exercise*.
5. Herman, D., **Kelshaw, P. M.**, Vincent, H. K., Caswell, S. V., Lincoln, A. E. (2021) Player Perceptions of Headgear Safety in High School Girls' Lacrosse. *Medicine & Science in Sports & Exercise*.
6. Erdman, N. K., **Kelshaw, P. M.**, Hacherl, S., Cortes, N., & Caswell, S. V. (2021) Testing Surface and Footwear Type Significantly Affect Baseline Balance Performance of Middle School Athletes. *Medicine & Science in Sports & Exercise*.
7. Kneavel, M., Bowman, T., **Kelshaw, P. M.**, & Rainone, C. (2021) Attitudes of Headgear Safety Among NCAA Women's Lacrosse Stakeholders. *Journal of Athletic Training*.
8. Hacherl, S., **Kelshaw, P. M.**, Erdman, N. K., Lincoln, A. E., Dunn, R. E., Martin, J. R., Ambegaonkar, J., Cortes, N., McGill, C., & Caswell, S. V. (2021) Concussion Rates and Sports Participation Time Loss in Sex-Comparable Middle School Sports. *Journal of Athletic Training*.
9. Ferranti, S., Hacherl, S., **Kelshaw, P. M.**, Erdman, N. K., Lincoln, A. E., Dunn, R. E., Martin, J., Cortes, N., & Caswell S. V. (2021) The Epidemiology of Concussions in Middle School Wrestling. *Archives of Clinical Neuropsychology*.
10. Blackstone, A., **Kelshaw, P. M.**, Hacherl, S., Erdman, N. K., Lincoln, A. E., Dunn, R. E., Martin, J. R., Ambegaonkar, J., Cortes, N., McGill, C., & Caswell, S. V. (2021) The Epidemiology of Concussion in Middle School Football. *Archives of Clinical Neuropsychology*.
11. **Kelshaw, P. M.**, Cook, N. E., Iverson, G. L., Cortes, N., Erdman, N. K., Hacherl, S., & Caswell, S. V. (2021) Assessing the Acute Effects of Concussion in Middle School Children with the Child SCAT5. *Journal of Athletic Training*.
12. Hacherl, S., **Kelshaw, P. M.**, Erdman, N. K., Martin, J., Cortes, N., Dunn, R., Lincoln, A. E., & Caswell, S. V. (2021) Concussion Rates in U.S. Middle School Athletes from the 2015-2016 to 2019-2020 School Years. *Journal of Athletic Training*.
13. Washington, E., **Kelshaw, P. M.**, Hacherl, S., Blackstone, A., Erdman, N. K., & Caswell S. V. (2021) Children with Attention-Deficit/Hyperactivity Disorder Endorse Poorer Health-Related Quality of Life than their Counterparts. *Journal of Athletic Training*.
14. Erdman, N. K., **Kelshaw, P. M.**, Hacherl, S., & Caswell, S. V. (2021) Comparison of Sideline Performance of the Child SCAT5 Between Concussed and Non-Concussed Middle School Athletes. *Journal of Athletic Training*.
15. Dewey K. L.\*, Hacherl S., **Kelshaw, P. M.**, Erdman N., Martin, J., Dunn, R., Lincoln A. E., & Caswell, S. V. (2021) The Epidemiology of Injuries in Middle School Baseball Between the 2015/16 and 2018/19 School Years. *Journal of Athletic Training*.

16. Flemming, P. R., Hacherl, S., Kelshaw, P. M., Erdman, N. K., Martin, J., Dunn, R., Lincoln, A. E., & Caswell, S. V. (2021) The Epidemiology of Injuries in Middle School Wrestling Between the 2015/16 and 2019/20 School Years. *Journal of Athletic Training*.
17. **Kelshaw, P. M., Hupp, T.,** Caswell, A., Ambegaonkar, J., Cortes, N., & Caswell, S. V. (2020) Measures of Quality of Life in Middle School Students Utilizing the PedsQL. *Journal of Athletic Training*.
18. **Kelshaw, P. M.,** Cook, N., Iverson, G., Cortes, N., & Caswell, S. V. (2020) Examining Acute Effects of Concussion on the Child SCAT5. *Medicine & Science in Sports & Exercise*.
19. Hacherl, S., Kelshaw, P. M., Herman, D., Lincoln, A., & Caswell, S. V. (2020) Characterizing Impacts in Girls' High School Lacrosse Using Video Analysis. *Medicine & Science in Sports & Exercise*.
20. **Kelshaw, P. M.,** Lincoln, A., Hepburn, L., Herman, D., Vincent, H., Cortes, N. & Caswell, S. V. (2019) The Effect of Protective Headgear on Frequency and Magnitude of Impacts in Girls' High School Varsity Lacrosse. *Archives of Clinical Neuropsychology*. 34(5), 742-742.
21. Iverson, G. L., **Kelshaw, P. M.,** Cook, N. E., & Caswell S. V. (2018) Middle School Children with Attention-Deficit Hyperactivity Disorder Have a Greater Concussion History. *Archives of Clinical Neuropsychology*. 34(5), 748-748.
22. Cook, N. E., **Kelshaw, P. M.,** Iverson, G. L., & Caswell S. V. (2018) Baseline Child Sport Concussion Assessment Tool 5th Edition Disparities Among Middle School Children with Attention-Deficit Hyperactivity Disorder. *Archives of Clinical Neuropsychology*. 34(5), 749-749.
23. **Kelshaw, P. M.,** Cook, N. E., Terry, D., Iverson, G. L., Ambegaonkar, J. & Caswell S. V. (2019) Child Sport Concussion Assessment Tool 5th Edition: Gender Associations in Middle School Children. *Journal of Athletic Training*. 54(6), S-262.
24. Abrams, V., Kelshaw, P. M., Cook, N. E., Terry, D., Iverson, G. L., Cortes, N. & Caswell S. V. (2019) Child Sport Concussion Assessment Tool 5th Edition: Associations among Primary Language Spoken in the Home in Middle School Children. *Journal of Athletic Training*. 54(6), S-263.
25. Piatchek, E., Kelshaw, P. M., Cook, N. E., Terry, D., Iverson, G. L., Caswell, A. M. & Caswell, S. V. (2019) Child Sport Concussion Assessment Tool 5th Edition: Age Associations in Middle School Children. *Journal of Athletic Training*. 54(6), S-264.
26. Caswell S. V., Vipperman J., Kelshaw, P. M., Abrams, V., Cortes N., Lincoln, A. E. & Kerr, Z. (2019) The Epidemiology of Ankle Injuries In Middle School Sports, 2015/16-2016/17 Academic Years. *Journal of Athletic Training*. 54(6), S-20.
27. Van Wert K., Kerr Z., Cortes N., **Kelshaw, P. M.,** Abrams V., & Caswell S. V. (2019) A Pilot Study Examining the Effects of an Injury Prevention Program on Lower Extremity Injury in Middle School Boys' Soccer. *Journal of Athletic Training*. 54(6), S-37.
28. **Kelshaw, P. M., Johnson, M.,** Lincoln, A., Hepburn, L., Dunn, R. & Caswell, S. V. (2019) Game-Play Characteristics by Field Size in Girls Youth Lacrosse. *Medicine & Science in Sports & Exercise*. 51(6), 518.
29. Johnson, M., Kelshaw, P. M., Lincoln, A., Hepburn, L., Dunn, R. & Caswell, S. V. (2019) Game-Play Characteristics by Field Size in Boys Youth Lacrosse. *Medicine & Science in Sports & Exercise*. 51(6), 517.
30. Anderson, C., **Kelshaw, P. M.,** Hepburn, L., Lincoln, A., Dunn, R., Griffin, B. & Caswell, S. V. (2019) Physical Activity among Youth Lacrosse Players: Full-Length Field vs. Modified-Length. *Medicine & Science in Sports & Exercise*. 51(6), 518.

31. **Kelshaw, P. M.**, Gould, T., Jesunathadas, M., Cortes, N., Caswell, A., Edwards, E., & Caswell, S. V. (2018) Laboratory Assessment of Pristine and Used Soft-Shell Headgear for Girls' Lacrosse. *Medicine & Science in Sports & Exercise*. 50(5S), 440.
32. **Kelshaw, P. M.**, Hepburn, L., Lindsey, B., Lincoln, A., Cortes, N., & Caswell S. V. (2018) Girls' Lacrosse Players Attitudes Towards Protective Headgear. *Journal of Athletic Training*. 53(6), S-310.
33. Caswell, S.V., **Kelshaw, P. M.**, Lincoln, A., Hepburn, L., Dunn, R., Cortes, N. (2018) The Effect of Protective Headgear on Impact Forces in Girls' High School Varsity Lacrosse. *Journal of Athletic Training*. 53(6), S-307.
34. Woodring, S., **Kelshaw, P. M.**, Hepburn, L., Lincoln, A., Cortes, N., & Caswell, S. V. (2018) Characterizing Head Impacts in Boys' Lacrosse. *Journal of Athletic Training*. 53(6), S-306.
35. Hallsmith, K. R., **Kelshaw, P. M.**, Allers, V. A., Kerr, Z., Caswell, A., Ambegaonkar, J., Cortes, N., & Caswell, S. V. (2018) Athletic Training Patient Encounters and Services Provided in the Middle School Setting. *Journal of Athletic Training*. 53(6), S-63.
36. Kocik, A., **Kelshaw, P. M.**, Hepburn, L., Lincoln, A., Cortes, N., & Caswell, S. V. (2018) Characterizing Head Impacts in Girls' Youth Lacrosse. *Journal of Athletic Training*. 53(6), S-306.
37. Pope, J., **Kelshaw, P. M.**, Hallsmith, K. R., Caswell, A., Ambegaonkar, J., Cortes, N., & Caswell, S. V. (2018) Examining Health-Related Quality of Life in Middle School Athletes. *Journal of Athletic Training*. 53(6), S-79.
38. **Kelshaw, P. M.**, Cortes, N., Caswell, A., & Caswell, S. V. (2017) Isometric Cervical Muscle Strength Does Not Affect Head Kinematics in High School Boys' Lacrosse. *Medicine & Science in Sports & Exercise*. 49(5S), 834-835.
39. Caswell, S. V., Lincoln, A., Hepburn, L., Higgins, M., Bowman T., Stemmler, M., **Kelshaw, P. M.**, Putukian, M., Cortes, N. (2016) Characterizing head impacts in boys' high school lacrosse players. *Journal of Athletic Training*. 51(6), S-171.
40. Caswell, S. V., **Kelshaw, P. M.**, Diao G., Ambegaonkar, J., Atkins, R., Johnson, D., Johnson, T., Cortes, N. (2015) Head and neck circumference not risk factors for game concussions among youth American football players. *Medicine and science in sports and exercise*. 48(5S Suppl 1), 876-877.

#### Accepted Abstracts

Note: An underline denotes a student mentee working under my supervision

1. **Kelshaw, P. M.**, Cook, N. E., Iverson, G. L., Cortes, N., Erdman, N. K., Hacherl, S., & Caswell, S. V. (2021) Assessing the Acute Effects of Concussion in Middle School Children with the Child SCAT5. Annual Meeting of the *Canadian Athletic Therapists Association Research Foundation Conference*. Virtual Conference.
2. Hacherl, S., **Kelshaw, P. M.**, Erdman, N. K., Martin, J., Cortes, N., Dunn, R., Lincoln, A. E., & Caswell, S. V. (2021) Concussion Rates in U.S. Middle School Athletes from the 2015-2016 to 2019-2020 School Years. Annual Meeting of the *Canadian Athletic Therapists Association Research Foundation Conference*. Virtual Conference.
3. Kneavel, M., Bowman, T., **Kelshaw, P. M.**, & Rainone, C. Attitudes of Headgear Safety Among NCAA Women's Lacrosse Stakeholders. Annual Meeting of the *Canadian Athletic Therapists Association Research Foundation Conference*. Virtual Conference.
4. Herman, D., Caswell, S. V., **Kelshaw, P. M.**, Vincent, H. K., & Lincoln, A. E. (2021) The Effect of Protective Headgear on Concussion Injury Rates in High School Girls' Lacrosse. *National Conference & Exhibition's Council on Sports Medicine and Fitness by the American Academy of Pediatrics*. Virtual Conference.



### **Abstracts in Review (*International*)**

*Note:* An underline denotes a student mentee working under my supervision

1. **Kelshaw, P. M.**, Bowman, T., Rainone, C., & Kneavel, M. (2021) Attitudes Regarding Contact in Women's NCAA Lacrosse. *6<sup>th</sup> International Consensus Conference on Concussion in Sport*. Paris, France.
2. Kneavel, M., Bowman, T., Rainone, C., & **Kelshaw, P. M.**, (2021) Attitudes of Headgear Safety Among NCAA Women's Lacrosse Stakeholders. *6<sup>th</sup> International Consensus Conference on Concussion in Sport*. Paris, France.
3. **Kelshaw, P. M.**, Cook, N. E., Iverson, G. I., Cortes, N., Hacherl, S., Erdman, N. K., Caswell, A., & Caswell, S. V. (Preparing for Submission) Measuring Acute Effects of Concussion on the Child SCAT5 Compared to Individual Baseline Assessments. *6<sup>th</sup> International Consensus Conference on Concussion in Sport*. Paris, France.
4. **Kelshaw, P. M.**, Cook, N. E., Iverson, G., Cortes, N., Hacherl, S., Erdman, N. K., Ambegaonkar, J., & Caswell, S. V. Measuring Acute Effects of Concussion on the Child SCAT5 Compared to Normative Reference Values. *6<sup>th</sup> International Consensus Conference on Concussion in Sport*. Paris, France.
5. **Kelshaw, P. M.**, Cook, N. E., Iverson, G., Terry, D., Cortes, N., Hacherl, S., Erdman, N. K., & Caswell, S. V. (Preparing for Submission) The Test-Retest Reliability of the Child SCAT5. *6<sup>th</sup> International Consensus Conference on Concussion in Sport*. Paris, France.
6. **Kelshaw, P. M.**, Hacherl, S., Erdman, N. K., Lincoln, A. E., Dunn, R. E., Martin, J. R., Ambegaonkar, J., Cortes, N., McGill, C., & Caswell, S. V. The Epidemiology of Concussion in Middle School Football. *6<sup>th</sup> International Consensus Conference on Concussion in Sport*. Paris, France.
7. Erdman, N., **Kelshaw, P. M.**, Hacherl, S., & Caswell, S. V., Examining Symptom Severity Endorsement and Self-Perceived Bothersome Symptoms on the Child SCAT5 Following Concussion in Children. *6<sup>th</sup> International Consensus Conference on Concussion in Sport*. Paris, France.
8. Hacherl, S., **Kelshaw, P. M.**, Erdman, N. K., Dunn, R. E., Martin, J., Ambegaonkar, J., Lincoln, A. E., & Caswell, S. V. Concussion Rates of Sex-Matched Sports in US Middle School Athletes Over Five School Years. *6<sup>th</sup> International Consensus Conference on Concussion in Sport*. Paris, France.
9. Hacherl, S., **Kelshaw, P. M.**, Erdman, N. K., Martin, J., Cortes, N., Dunn, R., Lincoln, A. E., & Caswell, S. V. Concussion Rates in U.S. Middle School Athletes from the 2015-2016 to 2019-2020 School Years. *6<sup>th</sup> International Consensus Conference on Concussion in Sport*. Paris, France.

### **National & Regional Peer-Reviewed Research Oral Presentations**

*Note:* An underline denotes a student mentee working under my supervision

1. **Kelshaw, P. M.**, Cook, N. E., Iverson, G. L., Cortes, N., Erdman, N. K., Hacherl, S., & Caswell, S. V. (2021) Assessing the Acute Effects of Concussion in Middle School Children with the Child SCAT5. Annual Meeting of the *National Athletic Trainers Association* Conference. Virtual Conference.
2. Hacherl, S., **Kelshaw, P. M.**, Erdman, N. K., Martin, J., Cortes, N., Dunn, R., Lincoln, A. E., & Caswell, S. V. (2021) Concussion Rates in U.S. Middle School Athletes from the 2015-2016 to 2019-2020 School Years. Annual Meeting of the *National Athletic Trainers Association* Conference. Virtual Conference.
3. Washington, E., **Kelshaw, P. M.**, Hacherl, S., Blackstone, A., Erdman, N. K., & Caswell S. V. (2021) Children with Attention-Deficit/Hyperactivity Disorder Endorse Poorer Health-Related Quality of Life than their Counterparts. Annual Meeting of the *National Athletic Trainers Association* Conference. Virtual Conference.

4. Erdman, N. K., **Kelshaw, P. M.**, Hacherl, S., & Caswell, S. V. (2021) Comparison of Sideline Performance of the Child SCAT5 Between Concussed and Non-Concussed Middle School Athletes. Annual Meeting of the *National Athletic Trainers Association* Conference. Virtual Conference.
5. Dewey K. L.\* Hacherl S., **Kelshaw, P. M.**, Erdman N., Martin, J., Dunn, R., Lincoln A. E., & Caswell, S. V. (2021) The Epidemiology of Injuries in Middle School Baseball Between the 2015/16 and 2018/19 School Years. Annual Meeting of the *National Athletic Trainers Association* Conference. Virtual Conference.  
\*Post-Professional Advanced Clinical Track Award Winner
6. Flemming, P. R., Hacherl, S., **Kelshaw, P. M.**, Erdman, N. K., Martin, J., Dunn, R., Lincoln, A. E., & Caswell, S. V. (2021) The Epidemiology of Injuries in Middle School Wrestling Between the 2015/16 and 2019/20 School Years. Annual Meeting of the *National Athletic Trainers Association* Conference. Virtual Conference.
7. **Kelshaw, P. M.**, Hupp, T., Caswell, A., Ambegaonkar, J., Cortes, N., & Caswell, S. V. (2020) Measures of Quality of Life in Middle School Students Utilizing the PedsQL. Annual meeting of the *National Athletic Trainers Association* Conference. Virtual Conference.
8. Caswell S. V., Vipperman J., **Kelshaw, P. M.**, Abrams, V., Cortes N., Lincoln, A. E. & Kerr, Z. (2019) The Epidemiology of Ankle Injuries In Middle School Sports, 2015/16-2016/17 Academic Years. Annual Meeting of the *National Athletic Trainers Association* Conference. Las Vegas, NV.
9. Van Wert K., Kerr Z., Cortes N., **Kelshaw, P. M.**, Abrams V. & Caswell S. V. (2019) A Pilot Study Examining the Effects of an Injury Prevention Program on Lower Extremity Injury in Middle School Boys' Soccer. Annual Meeting of the *National Athletic Trainers Association* Conference. Las Vegas, NV.
10. **Kelshaw, P. M.**, Gould, T., Jesunathadas, M., Cortes, N., Caswell, A., Edwards, E., & Caswell, S. V. (2018) Laboratory Assessment of Pristine and Used Soft-Shell Headgear for Girls' Lacrosse. *Advancing Healthcare Initiatives for Underserved Students Conference*, George Mason University. Manassas, VA.
11. Pope, J., **Kelshaw, P. M.**, Hallsmith, K. R., Caswell, A., Ambegaonkar, J., Cortes, N., & Caswell, S. V. (2018) Examining Health-Related Quality of Life in Middle School Athletes. Annual meeting of the *National Athletic Trainers Association* Conference. New Orleans, LA.
12. **Kelshaw, P. M.**, Cortes, N., Caswell, A., Lincoln, A., & Caswell, S. V. (2017) Isometric Cervical Muscle Strength Does Not Affect Head Impact Kinematics in High School Boys' Lacrosse. Annual Conference of the *American College of Sports Medicine*. Denver, CO.
13. Hallsmith, K. R., **Kelshaw, P. M.**, Allers, V. A., Kerr, Z., Caswell, A., Ambegaonkar, J., Cortes, N., & Caswell, S. V. (2018) Athletic Training Patient Encounters and Services Provided in the Middle School Setting. Annual meeting of the *National Athletic Trainers Association* Conference. New Orleans, LA.
14. **Kelshaw, P. M.**, Cortes, N., Caswell, A., Lincoln, A., & Caswell, S. V. (2017) Isometric Cervical Muscle Strength Does Not Affect Head Impact Kinematics in High School Boys' Lacrosse. *College of Education & Human Development Student Research Symposium*, George Mason University. Manassas, VA.
15. Caswell, S. V., Lincoln, A.E., Hepburn, L., Higgins, M., Bowman, T., Stemmler, M., **Kelshaw, P. M.**, & Cortes, N. (2016) Characterizing Head Impacts in Boys' High School Varsity Lacrosse Players. Annual meeting of the *National Athletic Trainers Association* Conference. Baltimore, MD.

#### **National Peer-Reviewed Research Poster Presentations**

*Note:* An underline denotes a student mentee working under my supervision

1. **Kelshaw, P. M.**,\* Cook, N. E., Iverson, G. I., Terry, D. P., Erdman, N. K., Hacherl, S., Cortes, N., & Caswell, S. V. (2021) Test-Retest Reliability of the Child Sport Concussion Assessment Tool 5<sup>th</sup> Edition. Annual Conference of the *American College of Sports Medicine*. Virtual Conference.  
\*Recipient of the Lisa S. Krivickas Female Scholar Registration Award

2. Hacherl, S., **Kelshaw, P. M.**, Erdman, N. K., Dunn, R. E., Martin, J., Ambegaonkar, J., Lincoln, A. E., & Caswell, S. V. (2021) Concussion Rates of Sex-Matched Sports in US Middle School Athletes Over Five School Years. Annual Conference of the *American College of Sports Medicine*. Virtual Conference.
3. Eshelman, M., **Kelshaw, P. M.**, Blackstone, A., Hacherl, S., Erdman, N. K., Caswell, A. M., & Caswell, S. V. (2021) Sport Differences in Pediatric Quality of Life Among Middle School Athletes. Annual Conference of the *American College of Sports Medicine*. Virtual Conference.
4. Lincoln, A. E., **Kelshaw, P. M.**, Vincent, H. K., Caswell, S. V., & Herman, D. (2021) Coaches' Perceptions of Headgear Safety in High School Girls' Lacrosse. Annual Conference of the *American College of Sports Medicine*. Virtual Conference.
5. Herman, D., **Kelshaw, P. M.**, Vincent, H. K., Caswell, S. V., Lincoln, A. E. (2021) Player Perceptions of Headgear Safety in High School Girls' Lacrosse. Annual Conference of the *American College of Sports Medicine*. Virtual Conference.
6. Erdman, N. K., **Kelshaw, P. M.**, Hacherl, S., Cortes, N., & Caswell, S. V. (2021) Testing Surface and Footwear Type Significantly Affect Baseline Balance Performance of Middle School Athletes. Annual Conference of the *American College of Sports Medicine*. Virtual Conference.
7. Kneavel, M., Bowman, T., **Kelshaw, P. M.**, & Rainone, C. (2021) Attitudes of Headgear Safety Among NCAA Women's Lacrosse Stakeholders. Annual Meeting of the *National Athletic Trainers Association* Conference. Virtual Conference.
8. Hacherl, S., **Kelshaw, P. M.**, Erdman, N. K., Lincoln, A. E., Dunn, R. E., Martin, J. R., Ambegaonkar, J., Cortes, N., McGill, C., & Caswell, S. V. (2021) Concussion Rates and Sports Participation Time Loss in Sex-Comparable Middle School Sports. The Annual Sport Concussion Symposium of the *Sports Neuropsychology Society*. Virtual Conference.
9. Ferranti, S., Hacherl, S., **Kelshaw, P. M.**, Erdman, N. K., Lincoln, A. E., Dunn, R. E., Martin, J., Cortes, N., & Caswell S. V. (2021) The Epidemiology of Concussions in Middle School Wrestling. The Annual Sport Concussion Symposium of the *Sports Neuropsychology Society*. Virtual Conference.
10. Blackstone, A., **Kelshaw, P. M.**, Hacherl, S., Erdman, N. K., Lincoln, A. E., Dunn, R. E., Martin, J. R., Ambegaonkar, J., Cortes, N., McGill, C., & Caswell, S. V. (2021) The Epidemiology of Concussion in Middle School Football. The Annual Sport Concussion Symposium of the *Sports Neuropsychology Society*. Virtual Conference.
11. **Kelshaw, P. M.**, Cook, N. E., Iverson, G. I., Cortes, N., & Caswell, S. V., (2020) Examining Acute Effects of Concussion on the Child SCAT5. Annual Conference of the *American College of Sports Medicine*. Virtual Conference.
12. Hacherl, S., **Kelshaw, P. M.**, Herman, D., Lincoln, A., & Caswell, S. V., (2020) Characterizing Impacts in Girls' High School Lacrosse Using Video Analysis. Annual Conference of the *American College of Sports Medicine*. Virtual Conference.
13. **Kelshaw, P. M.**,\* Lincoln, A., Hepburn, L., Herman, D., Vincent, H., Cortes, N. & Caswell, S. V. (2019). The Effect of Protective Headgear on Frequency and Magnitude of Impacts in Girls' High School Varsity Lacrosse. The Annual Sport Concussion Symposium of the *Sports Neuropsychology Society*. Seattle, WA.  
\*Nominee, Outstanding Trainee Research Award, *Sports Neuropsychology Society*
14. Iverson, G. L., **Kelshaw, P. M.**, Cook, N., & Caswell S. V. (2018) Middle School Children with Attention-Deficit Hyperactivity Disorder Have a Greater Concussion History. The Annual Sport Concussion Symposium of the *Sports Neuropsychology Society*. Seattle, WA.

15. Cook, N., **Kelshaw, P. M.**, Iverson, G. L., & Caswell S. V. (2018) Baseline Child Sport Concussion Assessment Tool 5th Edition Disparities Among Middle School Children with Attention-Deficit Hyperactivity Disorder. The Annual Sport Concussion Symposium of the *Sports Neuropsychology Society*. Seattle, WA.
16. Abrams, V., **Kelshaw, P. M.**, Cook, N., Terry, D., Iverson, G. L., Cortes, N. & Caswell S. V. (2019) Child Sport Concussion Assessment Tool 5th Edition: Associations among Primary Language Spoken in the Home in Middle School Children. Annual Meeting of the *National Athletic Trainers Association Conference*. Las Vegas, NV.
17. Piatchek, E., **Kelshaw, P. M.**, Cook, N., Terry, D., Iverson, G. L., Caswell, A. M. & Caswell, S. V. (2019) Child Sport Concussion Assessment Tool 5th Edition: Age Associations in Middle School Children. Annual Meeting of the *National Athletic Trainers Association Conference*. Las Vegas, NV.
18. **Kelshaw, P. M.**, Johnson, M., Lincoln, A., Hepburn, L., Dunn, R. & Caswell, S. V. (2019) Game-Play Characteristics by Field Size in Girls Youth Lacrosse. Annual Conference of the *American College of Sports Medicine*. Orlando, FL.
19. Johnson, M., **Kelshaw, P. M.**, Lincoln, A., Hepburn, L., Dunn, R. & Caswell, S. V. (2019) Game-Play Characteristics by Field Size in Boys Youth Lacrosse. Annual Conference of the *American College of Sports Medicine*. Orlando, FL.
20. **Kelshaw, P. M.**, Cook, N., Terry, D., Iverson, G. L., Ambegaonkar, J. & Caswell S. V. (2019) Child Sport Concussion Assessment Tool 5th Edition: Gender Associations in Middle School Children. Annual Meeting of the *National Athletic Trainers Association Conference*. Las Vegas, NV.
21. Anderson, C., **Kelshaw, P. M.**, Hepburn, L., Lincoln, A., Dunn, R., Griffin, B. & Caswell, S. V. (2019) Physical Activity among Youth Lacrosse Players: Full-Length Field vs. Modified-Length. Annual Conference of the *American College of Sports Medicine*. Orlando, FL.
22. **Kelshaw, P. M.**, Cook, N., Terry, D., Iverson, G. L., Ambegaonkar, J. & Caswell S. V. (2019) Child Sport Concussion Assessment Tool 5th Edition: Gender Associations in Middle School Children. *College of Education & Human Development Student Research Symposium*, George Mason University. Manassas, VA.
23. **Kelshaw, P. M.**, Gould, T., Jesunathadas, M., Cortes, N., Caswell, A., Edwards, E., & Caswell, S. V. (2018) Laboratory Assessment of Pristine and Used Soft-Shell Headgear for Girls' Lacrosse. Annual Conference of the *American College of Sports Medicine*. Minneapolis, MN.
24. **Kelshaw, P. M.**, Hepburn, L., Lindsey, B., Lincoln, A., Cortes, N., & Caswell S. V. (2018) Girls' Lacrosse Players Attitudes Towards Protective Headgear. Annual meeting of the *National Athletic Trainers Association Conference*. New Orleans, LA.
25. Woodring, S., **Kelshaw, P. M.**, Hepburn, L., Lincoln, A., Cortes, N., & Caswell, S. V. (2018) Characterizing Head Impacts in Boys' Lacrosse. Annual meeting of the *National Athletic Trainers Association Conference*. New Orleans, LA.
26. Kocik, A., **Kelshaw, P. M.**, Hepburn, L., Lincoln, A., Cortes, N., & Caswell, S. V. (2018) Characterizing Head Impacts in Girls' Youth Lacrosse. Annual meeting of the *National Athletic Trainers Association Conference*. New Orleans, LA.
27. Caswell, S. V., **Kelshaw, P. M.**, Diao, G., Ambegaonkar, J. P., Atkins, R., Johnson, T., Johnson, D., & Cortes, N. (2016) Head and Neck Circumference Are Not Risk Factors for Game Related Concussions Among Youth American Football Players. Annual Conference of the *American College of Sports Medicine*. Boston, MA

#### **Regional Academic Graduate Student Poster Presentations**

*Note:* An underline denotes a student mentee working under my supervision

1. Abrams, V., **Kelshaw, P. M.**, Cook, N., Terry, D., Iverson, G. L., Cortes, N. & Caswell S. V. (2019) Child Sport Concussion Assessment Tool 5th Edition: Associations among Primary Language Spoken in the Home in Middle School Children. *College of Education & Human Development Student Research Symposium*, George Mason University. Manassas, VA.
2. Piatchek, E., **Kelshaw, P. M.**, Cook, N., Terry, D., Iverson, G. L., Caswell, A. M. & Caswell, S. V. (2019) Child Sport Concussion Assessment Tool 5th Edition: Age Associations in Middle School Children. *College of Education & Human Development Student Research Symposium*, George Mason University. Manassas, VA.
3. Hupp, T., **Kelshaw, P. M.**, Hallsmith, K. R., Pope, J., Caswell, A., & Caswell, S. V. (2019) Examining Health-Related Quality of Life in Middle School Athletes. *College of Education & Human Development Student Research Symposium*, George Mason University. Manassas, VA.
4. Johnson, J., Reuter-McNamara, C., **Kelshaw, P. M.**, & Caswell, A. (2019) Case Study: Snapping Biceps Femoris Tendon in a High School Athlete. (2019) *College of Education & Human Development Student Research Symposium*, George Mason University. Manassas, VA.
5. Mayhugh, M., Porter, V., **Kelshaw, P. M.**, Fyock-Martin, M., & Caswell, A. (2019) Case Study: Congenital Spinal Stenosis in a High School Athlete. *College of Education & Human Development Student Research Symposium*, George Mason University. Manassas, VA.
6. Ledford, J., Cheetham, C., & **Kelshaw, P. M.**, (2019) Case Study: Non-Traditional Management of a High School Student-Athlete with Persistent Postconcussive Symptoms. *College of Education & Human Development Student Research Symposium*, George Mason University. Manassas, VA.

### **Regional Academic Undergraduate Student Poster Presentations**

*Note:* An underline denotes a student mentee working under my supervision

1. Moor, E. & **Kelshaw, P. M.** (2021) Exploring the Effects of Concussion on Pediatric Health-Related Quality of Life. Undergraduate Research Conference, University of New Hampshire. Durham, NH.
2. Fickling, Z., Stone, H., **Kelshaw, P. M.**, & Fyock-Martin, M. (2019) Case Study: Scapular Fracture in a High School Football Player. *College of Education & Human Development Student Research Symposium*, George Mason University. Manassas, VA.
3. Schonrock, N., Fyock-Martin, M., **Kelshaw, P. M.**, & Parquette, R. (2019) Case Study: Anxiety and the Use of an Emotional Support Animal. *College of Education & Human Development Student Research Symposium*, George Mason University. Manassas, VA.
4. Brewer, I., Fields, K., **Kelshaw, P. M.**, Fyock-Martin, M. (2019) Case Study: Patellar Dislocation with a Medial Femoral Condyle Fracture in a High School Wrestler. *College of Education & Human Development Student Research Symposium*, George Mason University. Manassas, VA.
5. Hafley, L., Pullen, L., Fyock-Martin, M., **Kelshaw, P. M.**, (2019) Case Study: A Failed ACL Allograft in a Collegiate Softball Player. *College of Education & Human Development Student Research Symposium*, George Mason University. Manassas, VA.

### **Invited Presentations**

1. **Kelshaw, P. M.**, The Beliefs and Perceptions Surrounding Headgear Use Among Girls' High School and Women's' Collegiate Lacrosse Stakeholders. USA Lacrosse Sports Medicine Symposium. Virtual Conference, October 2021.
2. **Kelshaw, P. M.** The State of Pediatric Concussion Management & the Virginia Concussion Initiative. The Virginia Department of Health. Fairfax, VA, January 2021.

3. **Kelshaw, P. M.**, Concussion Rehabilitation and Indicators of Recovery. *National Sports Medicine Institute Annual Conference*, Loudoun, VA, August 2019.
4. Nicholson, S., Schaeufele, B., **Kelshaw, P. M.**, Sports Medicine in: Youth Athletes. Community Presentation, *National Sports Medicine Institute*, Loudoun, VA. April 2019.
5. **Kelshaw, P. M.**, The Truth about Concussions. *Accokeek Volunteer Fire Department*, Accokeek, MD. November 2018.
6. Caswell S. V. **Kelshaw, P. M.**, Atkins, R.. Concussion in Youth Sports – Best Practices for Recreational Leagues. *Inova Concussion Consortium*, July 2016.

#### **Invited Academic Lectures**

1. **Kelshaw, P. M.**, Careers in the Academy: Navigating Your First Year. EFHP 820. George Mason University, Manassas, VA. October 2021
2. **Kelshaw, P. M.**, General Medical Conditions in Special Populations. AT 668, University of New Hampshire, Durham, NH. March 2021.
3. **Kelshaw, P. M.**, Sexual Harassment Training. AT 665, University of New Hampshire, Durham, NH. November 2020.
4. **Kelshaw, P. M.**, Pediatric Concussions & Recovery. ATEP 600, George Mason University, Manassas, VA. September 2019.
5. **Kelshaw, P. M.**, Concussions. ATEP 600, George Mason University, Manassas, VA. April 2019.
6. **Kelshaw, P. M.**, Concussions and the Evidence. ATEP 365, George Mason University, Manassas, VA. March 2019.
7. **Kelshaw, P. M.**, Concussions and the Evidence. ATEP 365, George Mason University, Manassas, VA. April 2018.
8. **Kelshaw, P. M.**, A Day in the Life of Youth Sports: Athletic Trainers in Pediatric Settings, ATEP 680, George Mason University, Manassas, November 2017.

#### **Web-based Publications**

1. **Kelshaw, P. M.**, McDevitt, J. (2016) [Frequency and Location of Head Impacts in Division I Men's Lacrosse Players, A Review](#). *Sports Medicine Research: In the Lab & In the Field*.

## **RESEARCH FUNDING**

<b>2021</b>	<p><b>Centers for Disease Control and Prevention and Virginia Department of Health Core State Injury Prevention Program (Core SIPP - CDC-RFA-CE21-2101)</b></p> <p>Evaluating Concussion Return-to-Play and Return-to-Learn Policy Implementation in Virginia Public Schools</p> <p><i>Principal Investigator:</i> Caswell, Shane</p> <p><i>Role:</i> Co-Investigator</p> <p><i>Amount Requested:</i> \$346,000 (1 year)</p> <p><i>Status:</i> Funded</p>
<b>2021</b>	<p><b>National Collegiate Athletic Association &amp; Military and Tactical Athlete Research Study (NCAA MATARS)</b></p> <p>Medical Technology Enterprise Consortium</p>

*Principal Investigators:* Resch, Jacob E., Cifu, David X, & McNamee, Shane  
*Role:* Co-Investigator  
*Amount Requested:* \$200,000 per site (4 years)  
*Status:* Not Funded

- 2019**                    **Doctoral Dissertation Completion Grant**  
George Mason University, funding to assist in timely completion of dissertation  
*Principal Investigator:* Kelshaw, Patricia M.  
*Role:* Principal Investigator, Doctoral Candidate  
*Amount Requested:* \$11,956 (6 months)  
*Status:* Funded
- 2018**                    **Accelerate Knowledge/Improve Care: Concussion Research Program**  
Harvard Medical School, Massachusetts General Hospital, Spaulding Rehabilitation  
Network, Maine Concussion Management Initiative, Charlestown, MA  
*Principal Investigator:* Iverson, Grant L.  
*Role:* Research Fellow, Young Investigator  
*Amount Requested:* Unrestricted Philanthropic Funding  
*Status:* Funded
- 2018**                    **National Operating Committee on Standards for Athletic Equipment**  
Effect of Helmet Use on Injury Risk and Head Impact Rates in Girls' Lacrosse  
*Principal Investigator:* Herman, Daniel  
*Role:* Co-Investigator  
*Amount Requested:* \$ 296,981 (3 years)  
*Status:* Funded
- 2018**                    **US Lacrosse Center for Sports Science**  
Effect of Helmets on Injury Rates in High School Female Lacrosse Athletes  
*Principal Investigator:* Herman, Daniel  
*Role:* Co-Investigator  
*Amount Requested:* \$ 35,000 (2 years)  
*Status:* Funded
- 2018**                    **Medstar Research Institute & US Lacrosse**  
Evaluation of the Lacrosse Athlete Development Model (LADM): Assessing differences in  
youth skill development and activity level  
*Principle Investigator:* Lincoln, Andrew  
*Role:* Co-Investigator  
*Amount Requested:* \$ 29,782 (1 year)  
*Status:* Funded
- 2018**                    **Centers for Disease Control and Prevention and Virginia Department of Health**  
Evaluating Concussion Return-to-Play and Return-to-Learn Policy Implementation in  
Virginia Public Schools (Award #: 709I832700)  
*Principal Investigator:* Caswell, Shane  
*Role:* Research Assistant  
*Amount Requested:* \$ 183,862 (1 year)  
*Status:* Funded
- 2018**                    **Prince William County Public Schools**  
Middle School ACHIEVES Project  
*Principal-Investigator:* Caswell, Shane  
*Role:* Project Coordinator  
*Amount Requested:* \$ 180,000 (1 year)  
*Status:* Funded

- 2017**                    **Potomac Health Foundation**  
Middle School ACHIEVES Project  
*Principal-Investigator:* Caswell, Shane  
*Role:* Project Coordinator  
*Amount Requested:* \$ 249,000 (1 year)  
*Status:* Funded
- 2015**                    **National Operating Committee on Standards for Athletic Equipment**  
Lacrosse Study Tracking Injuries and Concussions in Kids (LAX-STICK) project  
*Principle Investigator:* Kerr, Zachary  
*Role:* Research Assistant  
*Amount Requested:* \$ 310,000 (2 years)  
*Status:* Funded
- 2015**                    **Datalys/USA Football**  
Youth Football Safety Study  
*Principle Investigator:* Caswell, Shane  
*Role:* Research Assistant  
*Amount Requested:* \$ 54,000 (1 year)  
*Status:* Funded
- 2015**                    **US Lacrosse**  
Video Analysis and Head Gear Evaluation: Phase II  
*Principle Investigator:* Caswell, Shane  
*Role:* Project Coordinator  
*Amount Requested:* \$ 24,000 (1 year)  
*Status:* Funded
- 2015**                    **Central Loudoun Youth Football League**  
Youth Football Safety Study  
*Principal Investigator:* Caswell, Shane  
*Role:* Head Athletic Trainer & Project Coordinator  
*Amount Requested:* \$ 10,000 (1 year)  
*Status:* Funded
- 2014**                    **Central Loudoun Youth Football League**  
Youth Football Safety Study  
*Principal Investigator:* Caswell, Shane  
*Role:* Head Athletic Trainer & Project Coordinator  
*Amount Requested:* \$ 15,000 (1 year)  
*Status:* Funded
- 2014**                    **US Lacrosse**  
Video Analysis and Head Gear Evaluation: Phase I  
*Principle Investigator:* Caswell, Shane  
*Role:* Research Assistant  
*Amount Requested:* \$ 28,000 (1 year)  
*Status:* Funded

## **SERVICE**

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- 2020-Present**                    **Health Sciences Clinical Assistant Professor Search Committee**  
University of New Hampshire, Durham NH  
Engaged as a search committee member to investigate and conduct interviews with candidates



- 2021-Present**                    **Emerging Leaders Program**  
American College of Sports Medicine (ACSM)  
Collaborated with a team of national leaders to develop the Emerging Leaders Program, designed to facilitate mentorship programs for young emerging leaders of ACSM  
Assisted with the inception, drafting of the proposal, regularly engaged in meetings to refine the goals of the program, and regularly communicated with ACSM leadership, including presidents and committee chairs, to ensure the success of the program
- 2020-Present**                    **Graduate Faculty Appointment**  
University of New Hampshire, Durham NH  
Assisted in governance and policy matters for the Department of Kinesiology
- 2020-Present**                    **Undergraduate Thesis Faculty Committee Member**  
University of New Hampshire, Durham NH  
Moor, E. (2021) Exploring the Effects of Concussion on Pediatric Health-Related Quality of Life.
- 2020-Present**                    **Invited Graduate Thesis Faculty Committee Member**  
George Mason University, Manassas VA  
Estep, E. (2021) The Effects of Musculoskeletal Injury on Pediatric Quality of Life.  
  
Eshelman, M. (2021) Normative Reference Values on the Pediatric Quality of Life Inventory for Healthy Middle School Athletes.  
  
Washington, E. (2021) How do children with ADHD endorse Quality of Life functioning compared to children without ADHD?  
  
Meyerl, E. (2021) Associations Among Baseline Quality of Life Measures and Concussion Assessments in Middle School Athletes.  
  
Papp, B. (2021) Effects of Footwear on Balance in Middle School Athletes.  
  
Couch, H. (2021) Surface Effects on Balance Performance in Middle School Athletes.  
  
Fleming, P. (2021) The Epidemiology of Injuries in Middle School Wrestling.  
  
Morgan, C. (2021) The Epidemiology of Injuries in Middle School Softball.  
  
Dewey, K. (2021) The Epidemiology of Injuries in Middle School Baseball.  
  
Hacherl, S. (2020) Video Incident Analyses of Head Impacts in High School Girls' Lacrosse
- 2020-Present**                    **Faculty Liaison, Hamel Center for Undergraduate Research**  
University of New Hampshire, Durham NH  
Informed faculty and students about the Hamel Center's programs; identified faculty mentors for students to get involved in undergraduate research
- 2019-Present**                    **Manuscript Peer-Reviewer**  
*Journal of Athletic Training*  
*Injury Epidemiology*  
*Journal of Biomechanics*

*Pediatrics*  
*The American Journal of Preventative Medicine*  
*The American Journal of Sports Medicine*  
*The Journal of Pediatrics*  
*International Journal of Athletic Therapy & Training*  
*Sports Biomechanics*  
*Journal of Applied Biomechanics*

- 2021-Present**      **College of Health and Human Services Grimes Undergraduate Research Competition**  
University of New Hampshire, Durham NH  
Judge panelist for reviewing undergraduate research candidates for funding fellowship opportunity
- 2020-2021**      **Sports Management and Leadership Assistant Professor Search Committee**  
University of New Hampshire, Durham NH  
Engaged as a search committee member to investigate and conduct interviews with candidates
- 2019-2020**      **Science and Technology Campus Representative**  
George Mason University, Manassas VA  
Nominated by the academic department to represent the student voice for the Science and Technology campus in collaboration with the Regional Campuses Student Advisory Group
- 2014-2020**      **Vice President, Exercise Promotion Student Society (EXPreSS)**  
George Mason University, Manassas VA  
Collaborated with university administration to supplement funding for graduate students to present research at national and/or international conferences
- 2019**      **National Conference Presentation Moderator**  
Stroiney, D., McCrory, S., **Kelshaw, P. M.**, (Co-Chairs). Mental Health, Affect and Pain, Free Communication Session. *American College of Sports Medicine*. Orlando, Florida.
- 2016-2017**      **SMART Lab Team Research & Development (STRiDE)**  
George Mason University, Manassas VA  
Organized and facilitated journal article reviews, research discussion, and project presentation practices with graduate students

## **CERTIFICATIONS & PROFESSIONAL SKILLS**

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- 2014-Present**      **Certified Athletic Trainer**  
Athletic Training Board of Certification, Virginia Medical License, Certified first aid and CPR provider, proficient in the domains of: Injury Prevention, Clinical Evaluation and Diagnosis, Immediate Care, Treatment, Rehabilitation, Organization, Administration, and Professional Responsibilities
- 2014-Present**      **Emergency Care and Safety Institute First Aid and CPR Instructor**  
Certified instructor to certify health care providers in First aid, CPR and AED use

- 2014-Present**      **Research and Laboratory Skills**  
 Proficient in collecting and processing data using the following Instruments and Methods:
- Wearable Biometric Activity Sensors:* Zephyr Bioharness, Actigraph, Polar, & QStarz GPS
- Wearable Head Impact Monitors:* G Force Tracker, Prevent Biometrics, X2 Xpatch, & Head Impact Telemetry System
- Helmet Testing Instruments:* Cadex Monorail Impactor
- Descriptive Epidemiology:* Video Incident Analysis
- Statistical Analysis Software:* MATLAB, SAS, SPSS, JMP, & RStudio
- Survey Instrument Development:* Lacrosse Headgear Survey © George Mason University; Kelshaw, P. M., Caswell, S. & Hepburn, L.
- 2014-Present**      **Commission on Accreditation of Athletic Training Education (CAATE)**  
*Contemporary Expertise:* Pediatrics & Evidence Based Practice

## **AWARDS & RECOGNITION**

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|------------------------|--|
| <b>2021</b>            | <b>Lisa S. Krivickas Female Scholar Award, American College of Sports Medicine</b>   |
| <b>2020</b>            | <b>Nominee, National Doctoral Award, American Kinesiology Association</b>  |
| <b>2020</b>            | <b>Regional Doctoral Scholar Award, American Kinesiology Association</b>   |
| <b>2019</b>            | <b>Nominee, Outstanding Trainee Research Award, Sports Neuropsychology Society</b>   |
| <b>2017 &amp; 2019</b> | <b>Honorable Mention, Student Research Symposium Presentation, George Mason College of Education &amp; Human Development</b> |
| <b>2014</b>            | <b>Athletic Training Golden Scepter Award, George Mason University</b>   |
| <b>2014</b>            | <b>Scholar Athlete Award, Atlantic-10 Conference</b>   |
| <b>2014</b>            | <b>Scholar Athlete Award, Collegiate Rowing Coaches Association</b>  |
| <b>2012-2014</b>       | <b>Commissioner's Academic Award, Colonial Athletic Association</b>  |
| <b>2012-2014</b>       | <b>Academic Excellence Award, National Collegiate Athletic Association</b>   |
| <b>2011-2014</b>       | <b>Academic Dean's List Award, George Mason University</b>   |

## **PROFESSIONAL AFFILIATIONS**

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|---------------------|---|
| <b>2021-Present</b> | <b>Member, Engagement Resources and Learning for Young Traumatic Brain Injury Researchers (EARLY TBI)</b> |
| <b>2018-Present</b> | <b>Research Fellow, Young Investigators Concussion Research Program Harvard University</b>                |

**2014-Present**            **Member, National Athletic Trainers' Association**

**2014-Present**            **Member, American College of Sports Medicine**

**2014-2020**                **Vice President, Exercise Promotion Student Society, George Mason University**

**2014-2018**                **Member, Virginia Athletic Trainers' Association**

**2012-2014**                **Member, Student-Athlete Advisory Council, George Mason University**

**2012-2014**                **Member, Athletic Council, George Mason University**

**2010-2014**                **Member, Athletic Training Society, George Mason University**

**2010-2014**                **Athlete, NCAA Division I Women's Rowing, George Mason University**