

PEER-REVIEWED PUBLICATIONS

1. Choe+, K. H., **Coburn, J. W.**, Costa, P. B., Pamukoff, D. N. (2021). Hip and knee kinetics during a back squat and deadlift. *Journal of Strength and Conditioning Research*, 35(5), 1364-1371.
2. Feldpausch, J. E., Blok, A. L., Frederick, E. L., **Coburn, J. W.**, & Malek, M. H. (2021). The evolution of the physical work capacity at the fatigue threshold test: Past, Present, and Future. *Journal of Strength and Conditioning Research*, 35(12), 3529-3536.
3. Ruggieri+, R. M., **Coburn, J. W.**, Galpin, A. J., & Costa, P. B. (2021). Effects of a vibrating foam roller on ipsilateral and contralateral neuromuscular function and the hamstring-to-quadriceps ratios. *International Journal of Exercise Science* 14(1), 304.
4. Soori R, Choobineh S, Zarehshahneh M, **Costa PB**, Ghram A. Effects of high intensity interval training and aging on cardiac muscle apoptosis markers in C57BL/6 mice. *Sport Sciences for Health*, 17:173-179, 2021.
5. Kalén A, Pérez-Ferreirós A, **Costa PB**, Rey E. Effects of age on physical and technical performance in National Basketball Association (NBA) players. *Research in Sports Medicine*, 29:277-288, 2021.
6. Ruggieri RM+, Coburn JW, Galpin AJ, **Costa PB**. Effects of a vibrating foam roller on ipsilateral and contralateral neuromuscular function and the hamstrings-to-quadriceps ratios. *International Journal of Exercise Science*, 14:304, 2021.
7. Choe KH+, Coburn JW, **Costa PB**, Pamukoff DN. Hip and knee kinetics during a back squat and deadlift. *Journal of Strength & Conditioning Research*, 35:1364-1371, 2021.
8. Padrón-Cabo A, Lorenzo-Martínez M, Pérez-Ferreirós A, **Costa PB**, Rey E. Effects of plyometric training with agility ladder on physical fitness in youth soccer players. *International Journal of Sports Medicine*, 42:896-904, 2021.
9. Bentes CM, **Costa PB**, Resende, M, Netto C, Dias I, da Silveira ALB, Di Masi F, Miranda H, de Carvalho LM, Marinheiro L. Effects of 12 months of vitamin D supplementation on physical fitness levels in postmenopausal women with type 2 diabetes. *Journal of Functional Morphology and Kinesiology*, 6:87, 2021.
10. Aniceto RR, Robertson RJ, Silva AS, **Costa PB**, Araújo LC, Silva JC, Cirilo-Sousa MS. Is rating of perceived exertion a valid method to monitor intensity during blood flow restriction exercise. *Human Movement*. 22:68-77, 2021.
11. Ruggieri RM, Coburn JW, **Galpin AJ**, & Costa PB. Effects of a Vibrating Foam Roller on Ipsilateral and Contralateral Neuromuscular Function and the Hamstring-to-Quadriceps Ratios. *International Journal of Exercise Science*. 14(1), 304, 2021.
12. Bagheri R, Moghadam BH, Ashtary-Larky D, Forbes SC, Candow DF, **Galpin AJ**, Eskandari M, Kreider RB, Wong A. Whole Egg vs. Egg White Ingestion During 12 Weeks of Resistance Training in Trained Young Males. *Journal of Strength and Conditioning Research*. Feb 1;35(2):411-419, 2021.
13. Shumski EJ**, Wilson KS, **Kasamatsu TM**, Pamukoff DN. Drop landing differences between recreationally active individuals with and without a history of concussion. *J Appl Biomech*. 2021;37(5):450-457. <https://doi.org/10.1123/jab.2021-0097>

14. Nottingham SL, Welch Bacon CE, **Kasamatsu TM**. Documentation practices of athletic trainers employed in the collegiate clinical setting. *Athl Train Sport Health Care*. 2021;13(5): e299-e307. <https://doi.org/10.3928/19425864-20210312-01>
15. **Kasamatsu TM**, Valovich McLeod TC, Register-Mihalik JK, Welch Bacon CE. Supporting students after a concussion: School administrators' perspective. *Perspectives in Learning*. 2021;19(1): 39-55.
16. Nottingham SL, **Kasamatsu TM**, Welch Bacon CE. Documentation practices of athletic trainers employed in clinic, physician practice, and emerging settings. *J Athl Train*. 2021; 56(3): 243-251. <https://doi.org/10.4085/1062-6050-0149.20>
17. Nottingham SL, Welch Bacon CE, **Kasamatsu TM**. Documentation practices of athletic trainers practicing in the collegiate clinical setting. Oral presentation (Free Communications) at Virtual NATA. June 2021.
18. **Kasamatsu TM**, Bowman T, Thrasher AB. Multi-stakeholders' perspectives on anticipatory facilitators and barriers to young professionals' transition to practice. Oral presentation (Free Communications) at Virtual NATA. June 2021.
19. Lyons S, Thrasher AB, **Kasamatsu TM**, Bowman T. Multi-stakeholder perspectives of organizational aspects affecting transition to practice for newly certified athletic trainers. Oral presentation (Free Communications) at Virtual NATA. June 2021.
20. Thrasher AB, Bowman T, **Kasamatsu TM**. Multi-stakeholder perceptions of young professionals' integration during role transition. Oral presentation (Free Communications) at Virtual NATA. June 2021.
21. Lentine, T., Johnson, Q., **Lockie, R.**, Joyce, J., Orr, R. & Dawes, J. (2021). Occupational challenges to the development and maintenance of physical fitness within law enforcement officers. *Strength and Conditioning Journal*. 43: 115-118.
22. Dawes, J., Lentine, T., Johnson, Q., **Lockie, R.** & Orr, R. (2021). Strength and conditioning program design considerations for law enforcement officers. *Strength and Conditioning Journal*. 43: 110-114.
23. **Lockie, R.G.**, Dulla, J.M., Orr, R.M. & Dawes, J.J. (2021). The 20-m multistage fitness test and 2.4-km run: Applications to law enforcement fitness assessment. *Strength and Conditioning Journal*. 43: 68-75.
24. Lindsay, K.G., **Lockie, R.G.**, Orr, R.M., Alvar, B.A., Kornhauser, C., Holmes, R.J. & Dawes, J.J. (2021). Exploring associations between physical fitness tests and a law enforcement specific Physical Ability Test using principal components analysis. *Journal of Sports Sciences*. 39: 2642-2648.
25. * Hernandez, E., Dawes, J.J., Dulla J.M., Orr, R.M. & **Lockie, R.G.** (2021). Fitness percentile rank data for female law enforcement recruits in the USA. *Facta Universitatis, Series: Physical Education and Sport*. 19: 109-118.
26. * Viramontes, E., Dawes, J., Dulla J., Orr, R. & **Lockie, R.** (2021). Physical preparation for academy training specific to female law enforcement recruits. *TSAC Report*. 63: 14-19.
27. * Rodas, K.A., Moreno, M.R., Bloodgood, A.M., Dawes, J.J., Dulla, J.M., Orr, R.M. & **Lockie, R.G.** (2021). The effects aerobic fitness has on heart rate responses for a custody assistant recruit class performing a formation run. *International Journal of Exercise Science*. 14: 1219-1233.

28. **Lockie, R.G.**, Dawes, J.J., Moreno, M.R., Cesario, K.A., Balfany, K., Stierli, M., Dulla, J.M. & Orr, R.M. (2021). Relationship between the 20-m Multistage Fitness Test and 2.4-kilometer run in law enforcement recruits. *Journal of Strength and Conditioning Research*. 35: 2756-2761.
29. * Heredia, C.E., **Lockie, R.G.**, Lynn, S.K., & Pamukoff, D.N. (2021). Comparison of lower extremity kinematics during the overhead deep squat by Functional Movement Screen score. *Journal of Sports Science and Medicine*. 20: 759-765.
30. **Lockie, R.G.**, Rodas, K.A., Dawes, J.J., Dulla, J.M., Orr, R.M. & Moreno, M.R. (2021). How does time spent working in custody influence health and fitness characteristics of law enforcement officers? *International Journal of Environmental Research and Public Health*. 18: 9297.
31. * Bloodgood, A.M., Dawes, J.J., Orr, R.M., Cesario, K.A., Moreno, M.R., Stierli, M., Dulla, J.M. & **Lockie, R.G.** (2021). Effects of sex and age on physical testing performance for law enforcement agency candidates: Implications for academy training. *Journal of Strength and Conditioning Research*. 35: 2629-2635.
32. **Lockie, R.G.**, Orr, R.M., Dulla, J.M. & Dawes, J.J. (2021). Relationships between absolute and relative lower-body power and foot pursuit ability in law enforcement recruits. *International Journal of Exercise Science*. 14: 1078-1089.
33. * Bonder, I., Shim, A., **Lockie, R.G.** & Ruppert, T. (2021). A preliminary investigation: Evaluating the effectiveness of an occupational specific training program to improve lower body strength and speed for law enforcement officers. *International Journal of Environmental Research and Public Health*. 18: 7685.
34. * Hernandez, E., Dawes, J.J., Orr, R.M., Dulla, J. & **Lockie, R.G.** (2021). Are there differences in fitness between recruits from larger (hosting) and smaller (participating) law enforcement agencies? *International Journal of Exercise Science*. 14: 885-901.
35. Callaghan, S.J., Govus, A.D., **Lockie, R.G.**, Middleton, K.J. & Nimphius, S. (2021). Not as simple as it seems: Front foot contact kinetics, muscle function and ball release speed in cricket pace bowlers. *Journal of Sport Sciences*. 39: 1807-1815.
36. * McGuire, M.B. & **Lockie, R.G.** (2021). Motor skill, movement competency, and physical fitness assessments for ROTC cadets. *Strength and Conditioning Journal*. 43: 75-83.
37. **Lockie, R.G.**, Dulla, J.M., Orr, R.M. & Dawes, J.J. (2021). Importance of ability-based training for law enforcement recruits. *Strength and Conditioning Journal*. 43: 80-90.
38. **Lockie, R.G.**, Carlock, B.N., Ruvalcaba, T.J., Dulla, J.M., Orr, R.M., Dawes, J.J. & McGuire, M.B. (2021). Skeletal muscle mass and fat mass relationships with physical fitness test performance in deputy sheriff recruits. *Journal of Strength and Conditioning Research*. 35: 1287-1295.
39. Orr, R., Sakurai, T., Scott, J., Movshovich, J., Dawes, J.J., **Lockie, R.** & Schram, B. (2021). The use of fitness testing to predict occupational performance in tactical personnel: A critical review. *International Journal of Exercise Science*. 18: 7480.
40. Canetti, E.F.D., Dawes, J.J., Drysdale, P.H., **Lockie, R.**, Kornhauser, C., Holmes, R., Schram, B. & Orr, R.M. (2021). Relationship Between metabolic fitness and performance in police occupational tasks. *Journal of Science in Sport and Exercise*. 3:179–185.

41. Zulfiqar, M.M., Wooland, J., Schram, B., Dawes, J.J., **Lockie, R.G.** & Orr, R.M. (2021). Battery fitness testing in law enforcement: A critical review of the literature. *International Journal of Exercise Science*. 14: 613-632.
42. Orr, R.M., Rofo, A., Hinton, B., Dawes, J., Greco, G. & **Lockie, R.** (2021). Effect of grip size and grip strength on pistol marksmanship in police officers: A pilot study. *Journal of Criminalistics and Law*. 26: 61-72.
43. Orr, R.M., Canetti, E., Movshovich, J., **Lockie, R.**, Dawes, J. & Schram, B. (2021). Profiling the New Zealand Police Physical Appraisal Test. *International Journal of Emergency Services*. 10: 266-275.
44. **Lockie, R.G.**, Dawes, J.J., Orr, R.M. & Dulla, J.M. (2021). Physical fitness: Differences between initial hiring to academy in law enforcement recruits who graduate or separate from academy. *Work*. 68: 1081–1090.
45. **Lockie, R.G.**, Moreno, M.R., Cesario, K.A., Dulla, J.M., Orr, R.M. & Dawes, J.J. (2021). With great power comes great ability: Extending research on fitness characteristics that influence Work Sample Test Battery performance in law enforcement recruits. *Work*. 68: 1069-1080.
46. * Rodas, K.A. & **Lockie, R.G.** (2021). A health and fitness testing battery for correctional, custody, and law enforcement populations. *TSAC Report*. 60: 4-13.
47. Heredia C, Lockie RG, **Lynn SK**, Pamukoff DN. Comparison of lower extremity kinematics during the overhead deep squat by functional movement screen score. *Journal of Sports Science and Medicine*. 20(4): 759-765. December, 2021.
- 48.
49. Uthoff AM, **Lynn SK**, Neville J, Cronin JB. Effects of weighted arm sleeve loading on golf shot parameters. *The Journal of Sport and Exercise Science*. 5(4):270-276. August, 2021.
- 50.
51. Bennett HJ, Valenzuela KA, **Lynn SK**, Weinhandl JT. Foot rotation gait modifications affect hip and ankle, but not knee, stance phase joint reaction forces during running. *Journal of Biomechanical Engineering*. 143(2): February, 2021.

ABSTRACTS & CONFERENCE POSTER PRESENTATIONS

1. Nottingham SL, Welch Bacon CE, **Kasamatsu TM**. Documentation practices of athletic trainers practicing in the collegiate clinical setting. *J Athl Train*. 2021;56(6S):S-206.
2. **Kasamatsu TM**, Bowman T, Thrasher AB. Multi-stakeholders' perspectives on anticipatory facilitators and barriers to young professionals' transition to practice. *J Athl Train*. 2021;56(6S):S-102.
3. Lyons S, Thrasher AB, **Kasamatsu TM**, Bowman T. Multi-stakeholder perspectives of organizational aspects affecting transition to practice for newly certified athletic trainers. *J Athl Train*. 2021;56(6S):S-98.
4. Thrasher AB, Bowman TG, **Kasamatsu TM**. Multi-stakeholder perceptions of young professionals' integration during role transition. *J Athl Train*. 2021;56(6S):S-97.

5. Nottingham SL, Welch Bacon CE, **Kasamatsu TM**. Documentation practices of athletic trainers practicing in the collegiate clinical setting. Oral presentation (Free Communications) at Virtual NATA. June 2021.
6. **Kasamatsu TM**, Bowman T, Thrasher AB. Multi-stakeholders' perspectives on anticipatory facilitators and barriers to young professionals' transition to practice. Oral presentation (Free Communications) at Virtual NATA. June 2021.
7. Lyons S, Thrasher AB, **Kasamatsu TM**, Bowman T. Multi-stakeholder perspectives of organizational aspects affecting transition to practice for newly certified athletic trainers. Oral presentation (Free Communications) at Virtual NATA. June 2021.
8. Thrasher AB, Bowman T, **Kasamatsu TM**. Multi-stakeholder perceptions of young professionals' integration during role transition. Oral presentation (Free Communications) at Virtual NATA. June 2021.
9. * Carrasco, M. & **Lockie, R.G.** (2021). Step it up: A pilot study of the physical demands of Division I team's soccer matches versus semi-professional and collegiate competition. *Southwest American College of Sports Medicine's Annual Meeting*, Newport Beach, USA, October 29-30.
10. **Lockie, R.G.**, Orr, R.M. & Dawes, J.J. (2021). Fit (and healthy) for duty: Lipid profiles and fitness relationships from police officers in a health and wellness program. *Southwest American College of Sports Medicine's Annual Meeting*, Newport Beach, USA, October 29-30.
11. * Prudholme, D.C. & **Lockie, R.G.** (2021). What do you need, coach? Translating the relationship between sprint metrics and training load for practical application in Division I women's soccer. *Southwest American College of Sports Medicine's Annual Meeting*, Newport Beach, USA, October 29-30.
12. * Ruvalcaba, T.J., Higuera, D., Orr, R.M., Dawes, J.J., Ross, K.A. & **Lockie, R.G.** (2021). Body composition and fitness characteristics from structural firefighters in a health and wellness program: Differences according to injury status and location. *Southwest American College of Sports Medicine's Annual Meeting*, Newport Beach, USA, October 29-30.
13. * Wakely, A. & **Lockie, R.G.** (2021). High school strength and conditioning: A narrative review of the literature. *Southwest American College of Sports Medicine's Annual Meeting*, Newport Beach, USA, October 29-30.
14. * Withrow, K.L., Dawes, J.J., Orr, R.M. & **Lockie, R.G.** (2021). Army Combat Fitness Test performance by sex in ROTC cadets. *Southwest American College of Sports Medicine's Annual Meeting*, Newport Beach, USA, October 29-30.
15. Bonder, I., Shim, A., **Lockie, R.G.** & Ruppert, T. (2021). Evaluation of the effectiveness of an occupational specific training program to improve lower body strength and speed for law enforcement officers. *44th National Strength and Conditioning Association National Conference and Exhibition*, Orlando, USA, July 7-10.
16. Johnson, Q.R., Dos Santos M.L., Stahl, C.A., Uftring, M., Abel, M., Orr, R., **Lockie, R.G.**, McSpadden, N., Manuel, C. & Dawes, J.J. (2021). Associations between age and jump performance among Special Weapons and Tactics team operators. *44th National Strength and Conditioning Association National Conference and Exhibition*, Orlando, USA, July 7-10.

17. Johnson, Q.R., Zargoza, J.A., Orr, R., **Lockie, R.G.**, McSpadden, N., Manuel, C., Smith, D. & Dawes, J.J. (2021). Heart rate response of Special Weapons and Tactics team operators during active shooter training scenarios. *44th National Strength and Conditioning Association National Conference and Exhibition*, Orlando, USA, July 7-10.
18. **Lockie, R.G.**, Dawes, J.J., Moreno, M., Bloodgood, A., McGuire, M.B., Ruvalcaba, T.J., Hernandez, E., Dulla, J., Orr, R. & Rodas, K. (2021). The effects of ability-based versus traditional physical training on the health and fitness of custody assistants. *44th National Strength and Conditioning Association National Conference and Exhibition*, Orlando, USA, July 7-10.
19. **Lockie, R.G.**, Ruvalcaba, T.J., Meloni, J., McGuire, M.B., Hernandez, E., Orr, R., Dawes, J.J. & Dulla, J. (2021). Can training class completion enhance Biddle physical ability test performance in structural firefighter candidates? A pilot study. *44th National Strength and Conditioning Association National Conference and Exhibition*, Orlando, USA, July 7-10.

SYMPOSIA & INVITED LECTURES

1. **Lockie, R.G.** (2021). Always ready: Strength and conditioning for health, fitness, and occupational performance in law enforcement personnel. *2021 Australian Strength and Conditioning Association International Conference on Applied Strength and Conditioning*, Virtual Conference, Australia, November 12-December 12.
2. **Lockie, R.G.** & Kelly, K. (2021). Training, fitness and injuries for tactical operators. *Southwest American College of Sports Medicine's Annual Meeting*, Newport Beach, USA, October 29-30.
3. **Lockie, R.G.** (2021). Building research, student, and community relationships in the tactical environment. *Oklahoma State University Sport and Tactical Fitness Conference*, Virtual Conference, USA, April 13-14.
4. **Lockie, R.G.** (2021). A police department is not a lab: The challenges and rewards of doing applied research with tactical professionals. *Central States American College of Sports Medicine's Annual Meeting 2021*, Virtual Conference, USA, March 4-5.

FACULTY & STUDENT AWARDS & SUCCESS

1. Jack Noel. Hired as a Sports Performance Coach at California State University, San Bernardino Department of Athletics.
2. Joseph Kammerer. Hired as a Strength and Conditioning Coach at Coker University Department of Athletics.
3. Ashley Bloodgood. Hired as an Assistant Teaching Professor in Sport & Exercise Science at Park University, Arizona.
4. Megan Thompson (née McGuire). Completing PhD through Oklahoma State University.