

**Professor Julie Greeves OBE**

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**Profile**

I am an academic leader in applied human physiology and performance for the Ministry of Defence. I have raised over £25M of funding, pioneering, delivering, and translating large, complex research programmes to inform evidence-based policy, education, and force health protection measures to prepare service personnel for austere environments. I have published over 100 academic papers in the peer reviewed literature, supervised five PhD programmes to completion, and acted as a professional reviewer for scientific journals (*including* *Medicine and Science in Sports and Exercise*, *Bone, Nutrition and Health*, *British Journal of Sports Medicine*). I currently co-Chair the NATO Optimising Menstrual Health exploratory panel, and the Army Scientific Assessment Committee.

**Education and Qualifications**

2022+	Henley Business School, Reading University	MBA Year 2
1993 – 1997	Liverpool John Moores University Liverpool	PhD Applied Physiology
1990 – 1993	Liverpool John Moores University Liverpool	BSc Sports Science Upper Second Class

**Career History**

**Aug 15 – Present**      **British Army**      Andover, UK  
*Research Director*

- Lead a team of professional defence scientists and trainee academics: maximising performance through empowerment, continued professional development, mentoring, and organisational coaching.
- Deliver organisational benefit of high value, impactful and pioneering research: engaging and influencing defence and academic stakeholders, end user behaviour, and senior government officials.
- Build internal capability to deliver at pace and value for money: maximising team performance by developing my own leadership, leveraging real estate, and resources.
- Champion and drive inclusion in defence's decision-making and practices on servicewomen's health and performance needs.
- Perform extracurricular role as Deputy Head of Profession, defence Government, Science and Engineering representing the single Services, providing expert advice and promotion of profession.

**Oct 08 – July 15**      **Army Recruiting and Training Division**      Upavon, UK  
*Head of Research*

- Initiate and commission research; set research priorities; prepare statements of requirements, allocate resources; budget manage; research delivery.
- Identify exploitation routes through Operating Groups and collaborations with stakeholders.
- Performance manage research staff by setting SMART objectives, monitor team performance, and maintain Continued Professional Development of the team.
- Represent organisation on tri-Service working groups, NATO panels, and within the scientific community.

**Mar-99 – Oct-08**

**QinetiQ**

*Research Lead*

Farnborough, UK

- Generate income by engaging closely with customer and stakeholder communities.
- Develop research expertise to reduce injury risk and enhance physical performance.

### **Additional Information**

#### **Research and other skills:**

- MBA student, Henley Business School [Sept 23 to Dec 24].
- Certificate in Leadership, Oxford Executive Leadership Course [2022].
- DXA and High-Resolution Peripheral Quantitative Computed Tomography Trained [2011, 2017].
- Basic Life Support [latest 2022].
- Echolight Ultrasound [2020].
- Impact Micro-indentation, Musculoskeletal Research Unit, Hospital del Mar Research, Barcelona [2019].
- Programme and project management (P2M Foundation; Agile Project Management [2019]; PRINCE 2).
- Certificate in Occupational Health Law [2017].
- ICH Good Clinical Practice (GCP), including Clinical Trial Directive, Understanding the Requirements of GCP and GCP refresher: Inspection and GCP Update [2016].
- MSP Foundation [2015].
- Project Management (PRINCE2) [2011].
- The Ionising Radiation (Medical Exposure) Regulations 2000 course (2002, 2009 2017).
- Venepuncture [2005, 2019].

#### **Achievements and Awards:**

- Honorary Professor, Division of Surgery and Interventional Science, University College London.
- Honorary Professor, School of Medicine, University of East Anglia.
- Awarded Officer of the Most Excellent Order of the British Empire, 2017 Queen's Birthday Honour List, for contribution of research to military effectiveness.
- Shortlisted nominee, Women in Defence Awards 2016, in the Outstanding Contribution Award category.
- Distinguished award, Army Medical Services, 2016.
- Recipient supervisor for the Industrial Fellowship of Dr Jonathan Scott, Royal Commission for the Exhibition of 1851, 2003 to 2008.

Hobbies: Exercise is integral to my lifestyle. I coordinate my physical training with childcare commitments, but aim to prioritise outdoor activities (running, weight training and open water swimming) with my family as much as possible. I have additional interests in photography, languages, and reading/podcasts to improve my broader knowledge of current affairs, business, and health.

Nationality: British.

Languages: Self-learning Spanish.

## Full Publication List

1. Myers, SJ, Knight RL, Wardle SL, Waldock KAM, O'Leary TJ, Jones RK, Muckelt PE, Eisenhauer A, Tang JCY, Fraser WD, Greeves JP. (2024). Effect of Menstrual Cycle and Hormonal Contraception on Musculoskeletal Health and Performance: Protocol for a Prospective Cohort Design and Cross-Sectional Comparison. *JMIR Research Protocols*. 13(1): e50542.
2. O'Leary TJ, Jackson S, Izard RM, Walsh NP, Carswell AT, Oliver SJ, Tang JCY, Fraser WD, Greeves JP. (2024). Iron status is associated with tibial structure and vitamin D metabolites in healthy young men. *Bone*. 86:117145.
3. Ladlow P, Suffield C, Greeves JP, Comfort P, Hughes J, Cassidy RP, Bennett AN, Coppack RJ. (2024)/ How 'STRONG' is the British Army? *BMJ Mil Health*. 170(4):283-286.
4. Myers SJ, Knight RL, Wardle SL, Waldock KA, O'Leary TJ, Jones RK, Muckelt PE, Eisenhauer A, Tang JC, Fraser WD, Greeves JP. (2024). Effect of Menstrual Cycle and Hormonal Contraception on Musculoskeletal Health and Performance: Protocol for a Prospective Cohort Design and Cross-Sectional Comparison. *JMIR Res Protoc*. 11;13:e50542.
5. Feigel ED, Sterczala AJ, Krajewski KT, Sekel NM, Lovalekar M, Peterson PA, Koltun KJ, Flanagan SD, Connaboy C, Martin BJ, Wardle SL, O'Leary TJ, Greeves JP, Nindl BC. (2024). Physiological characteristics predictive of passing military physical employment standard tasks for ground close combat occupations in men and women. *Eur J Sport Sci*. 5. 10.1002/ejsc.12159. Online ahead of print.
6. Conkright WR, Kargl CK, Hubal MJ, Tiede DR, Beckner ME, Sterczala AJ, Krajewski KT, Martin BJ, Flanagan SD, Greeves JP, O'Leary TJ, Wardle SL, Sahu A, Ambrosio F, Nindl BC. (2024). Acute Resistance Exercise Modifies Extracellular Vesicle miRNAs Targeting Anabolic Gene Pathways: A Prospective Cohort Study. *Med Sci Sports Exerc*. 56(7):1225-1232.
7. Kargl CK, Sterczala AJ, Santucci D, Conkright WR, Krajewski KT, Martin BJ, Greeves JP, O'Leary TJ, Wardle SL, Sahu A, Ambrosio F, Nindl BC. (2024). Circulating extracellular vesicle characteristics differ between men and women following 12 weeks of concurrent exercise training. *Physiol Rep*. 12(9):e16016. doi: 10.14814/phy2.16016.
8. Maroni TD, Siddall AG, Rue CA, Needham-Beck SC, Walker FS, Greeves JP, Wardle SL, Fieldhouse A, Myers SD, Blacker SD. (2024). Beyond change scores: Employing an improved statistical approach to analyze the impact of entry fitness on physical performance during British Army basic training in men and women. *Scand J Med Sci Sports*. 34(4):e14610.
9. O'Leary TJ, Gifford RM, Knight RL, Wright J, Handford S, Venables MC, Reynolds RM, Woods D, Wardle SL, Greeves JP. (2024). Sex differences in energy balance, body composition, and metabolic and endocrine markers during prolonged arduous military training. *J Appl Physiol* (1985). 136(4):938-948.
10. O'Leary TJ, Izard RM, Tang JCY, Fraser WD, Greeves JP. (2024). Hormonal contraceptive use is associated with altered bone structural and metabolic responses to military training in women: An observational cohort study. *Bone*. 181:117012.
11. Sterczala AJ, Rodriguez-Ortiz N, Feigel ED, Krajewski KT, Martin BJ, Sekel NM, Lovalekar M, Kargl CK, Koltun KJ, Van Eck C, Flanagan SD, Connaboy C, Wardle SL, O'Leary TJ, Greeves JP, Nindl BC.

- (2024). Skeletal muscle adaptations to high-intensity, low-volume concurrent resistance and interval training in recreationally active men and women. *Physiol Rep.* 2024. 12(6):e15953.
12. O'Leary TJ, Jackson S, Izard RM, Walsh NP, Coombs CV, Carswell AT, Oliver SJ, Tang JCY, Fraser WD, Greeves JP. (2004). Sex differences in iron status during military training: a prospective cohort study of longitudinal changes and associations with endurance performance and musculoskeletal outcomes. *Br J Nutr.* 131(4):581-592.
13. Koltun KJ, Sterczala AJ, Sekel NM, Krajewski KT, Martin BJ, Lovalekar M, Connaboy C, Flanagan SD, Wardle SL, O'Leary TJ, Greeves JP, Nindl BC. (2024). Effect of acute resistance exercise on bone turnover in young adults before and after concurrent resistance and interval training. *Physiol Rep.* 12(3):e15906.
14. O'Leary TJ, Coombs CV, Perrett C, Gifford RM, Wardle SL, Greeves JP. (2024). Eating Disorder Risk and Common Mental Disorders in British Servicewomen: A Cross-Sectional Observational Study. *Med Sci Sports Exerc.* 56(2):340-349.
15. Mallinson JE, Wardle SL, O'Leary TJ, Greeves JP, Cegielski J, Bass J, Brook MS, Wilkinson DJ, Smith K, Atherton PJ, Greenhaff PL. (2023). Protein dose requirements to maximize skeletal muscle protein synthesis after repeated bouts of resistance exercise in young trained women. *Scand J Med Sci Sports.* 33(12):2470-2481.
16. Sterczala AJ, Krajewski KT, Peterson PA, Sekel NM, Lovalekar M, Wardle SL, O'Leary TJ, Greeves JP, Flanagan SD, Connaboy C, Nindl BC. (2023). Twelve weeks of concurrent resistance and interval training improves military occupational task performance in men and women. *Eur J Sport Sci.* 23(12):2411-2424.
17. Sekel NM, Hughes JM, Sterczala AJ, Mroz KH, Lovalekar M, Cauley J, Greeves JP, Nindl BC. (2023). Utility of HR-pQCT in detecting training-induced changes in healthy adult bone morphology and microstructure. *Front Physiol.* 20;14:1266292.
18. Carswell AT, O'Leary TJ, Swinton P, Jackson S, Tang JC, Oliver SJ, Izard RM, Walsh NP, Fraser WD, Greeves JP. (2023). Vitamin D Metabolites Are Associated With Musculoskeletal Injury in Young Adults: A Prospective Cohort Study. *J Bone Miner Res.* 38(10):1453-1464.
19. Hughes JM, Greeves JP. (2023). Editorial on: Association between Combat-Related Traumatic Injury and Skeletal Health: Bone Mineral Density Loss Is Localized and Correlates with Altered Loading in Amputees: The ADVANCE Study. *J Bone Miner Res.* 38(9):1223-1224.
20. Eastman K, O'Leary TJ, Carswell A, Walsh N, Izard R, Fraser W, Greeves J. (2023). Distal Tibial Bone Properties and Bone Stress Injury Risk in Young Men Undergoing Arduous Physical Training. *Calcif Tissue Int.* 113(3):317-328.
21. Dyches KD, Friedl KE, Greeves JP, Keller MF, McClung HL, McGurk MS, Popp KL, Teyhen DS. (2023). Physiology of Health and Performance: Enabling Success of Women in Combat Arms Roles. *Mil Med.* 188(Suppl 4):19-31.
22. Ferentinos P, Snape D, Koivula F, Faustini S, Nicholson-Little A, Stacey M, Gifford R, Parsons I, Lamb L, Greeves J, O'Hara J, Cunningham AF, Woods D, Richter A, O'Shea MK. (2023). Validation of dried blood spot sampling for detecting SARS-CoV-2 antibodies and total immunoglobulins in a large cohort of asymptomatic young adults. *J Immunol Methods.* 518:113492.

23. O'Leary TJ, Coombs CV, Perrett C, Double RL, Keay N, Wardle SL, Greeves JP. (2023). Menstrual Function, Eating Disorders, Low Energy Availability, and Musculoskeletal Injuries in British Servicewomen. *Med Sci Sports Exerc.* 55(7):1307-1316.
24. Powell SD, Siddall AG, Needham-Beck SC, Edwards VC, Light N, Jackson S, Greeves JP, Blacker SD, Myers SD. (2023). Association between external training loads and injury incidence during 44 weeks of military training. *Scand J Med Sci Sports.* 33(7):1211-1220.
25. Coombs CV, Wardle SL, Shroff R, Eisenhauer A, Tang JCY, Fraser WD, Greeves JP, O'Leary TJ. (2023). The effect of calcium supplementation on calcium and bone metabolism during load carriage in women: protocol for a randomised controlled crossover trial. *BMC Musculoskelet Disord.* 24(1):496.
26. Gill N, O'Leary T, Roberts A, Liu A, Roerdink M, Greeves J, Jones R. (2023). Enforcing walking speed and step-length affects joint kinematics and kinetics in male and female healthy adults. *Gait Posture.* 103:223-228.
27. Greeves JP, Beck B, Nindl BC, O'Leary TJ. (2023). Current risks factors and emerging biomarkers for bone stress injuries in military personnel. *J Sci Med Sport.* 26 Suppl 1:S14-S21.
28. O'Leary TJ, Coombs CV, Edwards VC, Blacker SD, Knight RL, Koivula FN, Tang JCY, Fraser WD, Wardle SL, Greeves JP. (2023). The effect of sex and protein supplementation on bone metabolism during a 36-h military field exercise in energy deficit. *J Appl Physiol.* 134(6):1481-1495.
29. Varley I, Sale C, Greeves JP, Morris JG, Sunderland C, Saward C. (2023). Relationship between Football-Specific Training Characteristics and Tibial Bone Adaptation in Male Academy Football Players. *Sports (Basel).* 11(4):86.
30. Tarnowski CA, Wardle SL, O'Leary TJ, Gifford RM, Greeves JP, Wallis GA. (2023). Measurement of Energy Intake Using the Principle of Energy Balance Overcomes a Critical Limitation in the Assessment of Energy Availability. *Sports Med Open.* 9(1):16.
31. Wardle SL, O'Leary TJ, Jackson S, Greeves JP. (2023). Effect of sex and combat employment on musculoskeletal injuries and medical downgrading in trained military personnel: an observational cohort study. *BMJ Mil Health.* 169(1):62-68.
32. Armstrong NC, Smith SJR, Risius D, Doyle D, Wardle SL, Greeves JP, House JR, Tipton M, Lomax M. (2023). Cognitive performance of military men and women during prolonged load carriage. *BMJ Mil Health.* 169(1):37-45.
33. O'Leary TJ, Young CD, Wardle SL, Greeves JP. (2023). Gender data gap in military research: a review of the participation of men and women in military musculoskeletal injury studies. *BMJ Mil Health.* 169(1):84-88.
34. Coombs CV, O'Leary TJ, Tang JCY, Fraser WD, Greeves JP. (2023). Hormonal contraceptive use, bone density and biochemical markers of bone metabolism in British Army recruits. *BMJ Mil Health.* 169(1):9-16.

35. Gill N, Roberts A, O'Leary TJ, Liu A, Hollands K, Walker D, Greeves JP, Jones R. (2023). Role of sex and stature on the biomechanics of normal and loaded walking: implications for injury risk in the military. *BMJ Mil Health*. 169(1):89-93.
36. Double RL, Wardle SL, O'Leary TJ, Weaden N, Bailey G, Greeves JP. (2023). Hormonal contraceptive prescriptions in the UK Armed Forces. *BMJ Mil Health*. 169(1):23-26.
37. Siddall AG, Stokes KA, Thompson D, Izzard R, Greeves J, Bilzon JLJ. (2023). Influence of smoking status on acute biomarker responses to successive days of arduous military training. *BMJ Mil Health*. 169(1):52-56.
38. Cordell RF, Wickes CK, Casey A, Greeves JP. (2023). Female UK Army Service personnel are at greater risk of work-related morbidity on return to duty postpartum. *BMJ Mil Health*. 169(1):46-51.
39. O'Leary TJ, Wardle SL, Rawcliffe AJ, Chapman S, Mole J, Greeves JP. (2023). Understanding the musculoskeletal injury risk of women in combat: the effect of infantry training and sex on musculoskeletal injury incidence during British Army basic training. *BMJ Mil Health*. 169(1):57-61.
40. Walsh NP, Kashi DS, Edwards JP, Richmond C, Oliver SJ, Roberts R, Izzard RM, Jackson S, Greeves JP. (2023). Good perceived sleep quality protects against the raised risk of respiratory infection during sleep restriction in young adults. *Sleep*. 11;46(1).
41. Sharma A, Michels LV, Pitsillides AA, Greeves J, Plotkin LI, Cardo V, Sims NA, Clarkin CE. (2023). Sexing Bones: Improving Transparency of Sex Reporting to Address Bias Within Preclinical Studies. *J Bone Miner Res*. 38(1):5-13.
42. Varley I, Ward M, Thorpe C, Beardsley N, Greeves J, Sale C, Saward C. (2022). External training load is associated with adaptation in bone and body composition over the course of a season in elite male footballers. *Bone Rep*. 5;18:101643.
43. Carswell AT, Jackson S, Swinton P, O'Leary TJ, Tang JCY, Oliver SJ, Sale C, Izzard RM, Walsh NP, Fraser WD, Greeves JP. (2022). Vitamin D Metabolites Are Associated with Physical Performance in Young Healthy Adults. *Med Sci Sports Exerc*. 54(11):1982-1989.
44. O'Leary TJ, Perrett C, Coombs CV, Double RL, Keay N, Wardle SL, Greeves JP. (2022). Menstrual disturbances in British Servicewomen: A cross-sectional observational study of prevalence and risk factors. *Front Nutr*. 19;9:984541.
45. Gill N, Hollands K, O'Leary TJ, Roberts AJ, Greeves JP, Jones RK. (2022). The effect of sex, stature, and limb length on the preferred walk-to-run transition speed. *Gait Posture*. 98:1-5.
46. Conkright WR, Beckner ME, Sterczala AJ, Mi Q, Lovalekar M, Sahu A, Krajewski KT, Martin BJ, Flanagan SD, Greeves JP, O'Leary TJ, Wardle SL, Ambrosio F, Nindl BC. (2022). Resistance exercise differentially alters extracellular vesicle size and subpopulation characteristics in healthy men and women: an observational cohort study. *Physiol Genomics*. 54(9):350-359.
47. Varley I, Ward M, Thorpe C, Beardsley N, Greeves J, Sale C, Saward C. (2022). Modelling Changes in Bone and Body Composition Over a Season in Elite Male Footballers. *Int J Sports Med*. 43(8):729-739.

49. O'Leary TJ, Izard RM, Tang JCY, Fraser WD, Greeves JP. (2022). Sex differences in tibial adaptations to arduous training: An observational cohort study. *Bone*. 160:116426.
50. Elliott-Sale KJ, Bostock EL, Jackson T, Wardle SL, O'Leary TJ, Greeves JP, Sale C. (2022). Investigating the Efficacy of an 18-Week Postpartum Rehabilitation and Physical Development Intervention on Occupational Physical Performance and Musculoskeletal Health in UK Servicewomen: Protocol for an Independent Group Study Design. *JMIR Res Protoc*. 11(6):e32315.
51. Edwards VC, Myers SD, Wardle SL, Siddall AG, Powell SD, Needham-Beck S, Kefyalew SS, Singh PA, Orford ER, Venables MC, Jackson S, Greeves JP, Blacker SD. (2022). Nutrition and Physical Activity During British Army Officer Cadet Training: Part 1-Energy Balance and Energy Availability. *Int J Sport Nutr Exerc Metab*. 32(3):195-203.
52. Edwards VC, Myers SD, Wardle SL, Siddall AG, Powell SD, Needham-Beck S, Jackson S, Greeves JP, Blacker SD. (2022). Nutrition and Physical Activity in British Army Officer Cadet Training Part 2-Daily Distribution of Energy and Macronutrient Intake. *Int J Sport Nutr Exerc Metab*. 32(3):204-213.
53. Vine CAJ, Coakley SL, Blacker SD, Doherty J, Hale BJ, Walker EF, Rue CA, Lee BJ, Flood TR, Knapik JJ, Jackson S, Greeves JP, Myers SD. (2022). Accuracy of Metabolic Cost Predictive Equations During Military Load Carriage. *J Strength Cond Res*. 36(5):1297-1303.
54. Jackson T, Bostock EL, Hassan A, Greeves JP, Sale C, Elliott-Sale KJ. (2022). The Legacy of Pregnancy: Elite Athletes and Women in Arduous Occupations. *Exerc Sport Sci Rev*. 50(1):14-24.
55. Hughes JM, O'Leary TJ, Koltun KJ, Greeves JP. (2022). Promoting adaptive bone formation to prevent stress fractures in military personnel. *Eur J Sport Sci*. 22(1):4-15.
56. Conkright WR, O'Leary TJ, Wardle SL, Greeves JP, Beckner ME, Nindl BC. (2022). Sex differences in the physical performance, physiological, and psycho-cognitive responses to military operational stress. *Eur J Sport Sci*. 22(1):99-111.
57. Wardle SL, O'Leary TJ, McClung JP, Pasiakos SM, Greeves JP. (2021). Feeding female soldiers: Consideration of sex-specific nutrition recommendations to optimise the health and performance of military personnel. *J Sci Med Sport*. 24(10):995-1001.
58. Carswell AT, Eastman KG, Casey A, Hammond M, Shepstone L, Payerne E, Toms AP, MacKay JW, Swart AM, Greeves JP, Fraser WD. (2021). Teriparatide and stress fracture healing in young adults (RETURN - Research on Efficacy of Teriparatide Use in the Return of recruits to Normal duty): study protocol for a randomised controlled trial. *Trials*. 30;22(1):580.
59. Gifford RM, O'Leary TJ, Wardle SL, Double RL, Homer NZM, Howie AF, Greeves JP, Anderson RA, Woods DR, Reynolds RM. (2021). Reproductive and metabolic adaptation to multistressor training in women. *Am J Physiol Endocrinol Metab*. 321(2):E281-E291.
60. Eastman K, Gerlach M, Piec I, Greeves J, Fraser W. (2021). Effectiveness of parathyroid hormone (PTH) analogues on fracture healing: a meta-analysis. *Osteoporos Int*. 32(8):1531-1546.
61. Waldock KAM, Lee BJ, Powell S, Wardle SL, Blacker SD, Myers SD, Maroni TD, Walker FS, Looney DP, Greeves JP, Potter AW. (2021). Field validation of The Heat Strain Decision Aid during military load carriage. *Comput Biol Med*. 134:104506.

62. O'Leary TJ, Wardle SL, Gifford RM, Double RL, Reynolds RM, Woods DR, Greeves JP. (2021). Tibial Macrostructure and Microarchitecture Adaptations in Women During 44 Weeks of Arduous Military Training. *J Bone Miner Res.* 36(7):1300-1315.
63. Harrison SE, Oliver SJ, Kashi DS, Carswell AT, Edwards JP, Wentz LM, Roberts R, Tang JCY, Izard RM, Jackson S, Allan D, Rhodes LE, Fraser WD, Greeves JP, Walsh NP. (2021). Influence of Vitamin D Supplementation by Simulated Sunlight or Oral D3 on Respiratory Infection during Military Training. *Med Sci Sports Exerc.* 53(7):1505-1516.
64. Martin D, Papageorgiou M, Colgan H, Bandelow S, Greeves JP, Tang JCY, Fraser WD, Cooper SB, Sale C, Elliott-Sale KJ. (2021). The effects of short-term low energy availability, achieved through diet or exercise, on cognitive function in oral contraceptive users and eumenorrheic women. *Appl Physiol Nutr Metab.* 46(7):781-789.
65. O'Leary TJ, Rice HM, Greeves JP. (2021). Biomechanical Basis of Predicting and Preventing Lower Limb Stress Fractures During Arduous Training. *Curr Osteoporos Rep.* 19(3):308-317.
66. Hinde KL, O'Leary TJ, Greeves JP, Wardle SL. (2021). Measuring Protein Turnover in the Field: Implications for Military Research. *Adv Nutr.* 12(3):887-896.
67. Gifford RM, Greeves JP, Wardle SL, O'Leary TJ, Double RL, Venables M, Boos C, Langford J, Woods DR, Reynolds RM. (2021). Measuring the Exercise Component of Energy Availability during Arduous Training in Women. *Med Sci Sports Exerc.* 53(4):860-868.
68. O'Leary TJ, Walsh NP, Casey A, Izard RM, Tang JCY, Fraser WD, Greeves JP. (2021). Supplementary Energy Increases Bone Formation during Arduous Military Training. *Med Sci Sports Exerc.* 53(2):394-403.
69. Kashi DS, Oliver SJ, Wentz LM, Roberts R, Carswell AT, Tang JCY, Jackson S, Izard RM, Allan D, Rhodes LE, Fraser WD, Greeves JP, Walsh NP. (2021). Vitamin D and the hepatitis B vaccine response: a prospective cohort study and a randomized, placebo-controlled oral vitamin D<sub>3</sub> and simulated sunlight supplementation trial in healthy adults. *Eur J Nutr.* 60(1):475-491.
70. Taylor N, Gifford RM, Cobb R, Wardle SL, Jones S, Blackadder-Weinstein J, Hattersley J, Wilson A, Imray C, Greeves JP, Reynolds R, Woods DR. (2021). Experience from the selection and nutritional preparation for Expedition ICE MAIDEN: the first successful all-female unassisted Antarctic traverse. *BMJ Mil Health.* 167(1):27-32.
71. O'Leary TJ, Wardle SL, Greeves JP. (2020). Energy Deficiency in Soldiers: The Risk of the Athlete Triad and Relative Energy Deficiency in Sport Syndromes in the Military. *Front Nutr.* 25;7:142.
72. Siddall A, Bilzon J, Thompson D, Tauler P, Greeves J, Izard R, Stokes K. (2020). Smoking and Biochemical, Performance, and Muscle Adaptation to Military Training. *Med Sci Sports Exerc.* 52(5):1201-1209.
73. Gifford RM, O'Leary TJ, Double RL, Wardle SL, Wilson K, Boyle LD, Homer NZM, Kirschbaum C, Greeves JP, Woods DR, Reynolds RM. (2019). Positive adaptation of HPA axis function in women during 44 weeks of infantry-based military training. *Psychoneuroendocrinology.* 110:104432.



74. Siddall AG, Powell SD, Needham-Beck SC, Edwards VC, Thompson JES, Kefyalew SS, Singh PA, Orford ER, Venables MC, Jackson S, Greeves JP, Blacker SD, Myers SD. (2019). Validity of energy expenditure estimation methods during 10 days of military training. *Scand J Med Sci Sports*. 29(9):1313-1321.
75. O'Leary TJ, Izard RM, Walsh NP, Tang JCY, Fraser WD, Greeves JP. (2019). Skeletal macro- and microstructure adaptations in men undergoing arduous military training. *Bone*. 125:54-60.
76. Tang JCY, Jackson S, Walsh NP, Greeves J, Fraser WD. (2019). The dynamic relationships between the active and catabolic vitamin D metabolites, their ratios, and associations with PTH. *Sci Rep*. 9(1):6974.
77. O'Leary TJ, Gifford RM, Double RL, Reynolds RM, Woods DR, Wardle SL, Greeves JP. (2019). Skeletal responses to an all-female unassisted Antarctic traverse. *Bone*. 121:267-276.
78. Gifford RM, O'Leary T, Cobb R, Blackadder-Weinstein J, Double R, Wardle SL, Anderson RA, Thake CD, Hattersley J, Imray CHE, Wilson A, Greeves JP, Reynolds RM, Woods DR. (2019). Female Reproductive, Adrenal, and Metabolic Changes during an Antarctic Traverse. *Med Sci Sports Exerc*. 51(3):556-567.
79. Coakley SL, Myers SD, Walker EF, Hale B, Jackson S, Greeves JP, Roberts R, Blacker SD. (2019). 1.5mile run time and body mass predict 8mile loaded march performance, irrespective of sex. *J Sci Med Sport*. 22(2):217-221.
80. Varley I, Greeves JP, Sale C. (2019). Seasonal Difference in Bone Characteristics and Body Composition of Elite Speed Skaters. *Int J Sports Med*. 40(1):9-15.
81. Gifford RM, Howie F, Wilson K, Johnston N, Todisco T, Crane M, Greeves JP, Skorupskaitė K, Woods DR, Reynolds RM, Anderson RA. (2018). Confirmation of ovulation from urinary progesterone analysis: assessment of two automated assay platforms. *Sci Rep*. 8(1):17621.
82. Carswell AT, Oliver SJ, Wentz LM, Kashi DS, Roberts R, Tang JCY, Izard RM, Jackson S, Allan D, Rhodes LE, Fraser WD, Greeves JP, Walsh NP. (2018). Influence of Vitamin D Supplementation by Sunlight or Oral D3 on Exercise Performance. *Med Sci Sports Exerc*. 50(12):2555-2564.
83. Varley-Campbell J, Cooper C, Wilkerson D, Wardle S, Greeves J, Lorenc T. (2018).
84. Sex-Specific Changes in Physical Performance Following Military Training: A Systematic Review. *Sports Med*. 48(11):2623-2640.
85. Nindl BC, Billing DC, Drain JR, Beckner ME, Greeves J, Groeller H, Teien HK, Marcora S, Moffitt A, Reilly T, Taylor NAS, Young AJ, Friedl KE. (2018). Perspectives on resilience for military readiness and preparedness: Report of an international military physiology roundtable. *J Sci Med Sport*. 21(11):1116-1124.
86. Wentz LM, Ward MD, Potter C, Oliver SJ, Jackson S, Izard RM, Greeves JP, Walsh NP. (2018). Increased Risk of Upper Respiratory Infection in Military Recruits Who Report Sleeping Less Than 6 h per night. *Mil Med*. 183(11-12).

87. Papageorgiou M, Martin D, Colgan H, Cooper S, Greeves JP, Tang JCY, Fraser WD, Elliott-Sale KJ, Sale C. (2018). Bone metabolic responses to low energy availability achieved by diet or exercise in active eumenorrhic women. *Bone*. 114:181-188.
88. Varley I, Hughes DC, Greeves JP, Stellingwerff T, Ranson C, Fraser WD, Sale C. (2018). The association of novel polymorphisms with stress fracture injury in Elite Athletes: Further insights from the SFEA cohort. *J Sci Med Sport*. 21(6):564-568.
89. Varley I, Hughes DC, Greeves JP, Fraser WD, Sale C. (2018). SNPs in the vicinity of P2X7R, RANK/RANKL/OPG and Wnt signalling pathways and their association with bone phenotypes in academy footballers. *Bone*. 108:179-185.
90. Papageorgiou M, Elliott-Sale KJ, Parsons A, Tang JCY, Greeves JP, Fraser WD, Sale C. (2017). Effects of reduced energy availability on bone metabolism in women and men. *Bone*. 105:191-199.
91. Wardle SL, Greeves JP. (2017). Mitigating the risk of musculoskeletal injury: A systematic review of the most effective injury prevention strategies for military personnel. *J Sci Med Sport*. 20 Suppl 4:S3-S10.
92. Gifford RM, Reynolds RM, Greeves J, Anderson RA, Woods DR. (2017). Reproductive dysfunction and associated pathology in women undergoing military training. *J R Army Med Corps*. 163(5):301-310.
93. Tang JCY, Nicholls H, Piec I, Washbourne CJ, Dutton JJ, Jackson S, Greeves J, Fraser WD. (2017). Reference intervals for serum 24,25-dihydroxyvitamin D and the ratio with 25-hydroxyvitamin D established using a newly developed LC-MS/MS method. *J Nutr Biochem*. 46:21-29.
94. Varley I, Hughes DC, Greeves JP, Fraser WD, Sale C. (2017). Increased Training Volume Improves Bone Density and Cortical Area in Adolescent Football Players. *Int J Sports Med*. 38(5):341-346.
95. Siddall AG, Bilzon JL, Thompson D, Greeves J, Izard R, Stokes KA. (2017). Smoking status and physical fitness during initial military training. *Occup Med (Lond)*. 67(3):205-210.
96. Jackson S, Greeves J, Ross DA. (2017). *J R Army Med Corps*. 2017 Mar 24:jramc-2017-000784.
97. Izard RM, Fraser WD, Negus C, Sale C, Greeves JP. (2016). Increased density and periosteal expansion of the tibia in young adult men following short-term arduous training. *Bone*. 88:13-19.
98. Piec I, Washbourne C, Tang J, Fisher E, Greeves J, Jackson S, Fraser WD. (2016). How Accurate is Your Sclerostin Measurement? Comparison Between Three Commercially Available Sclerostin ELISA Kits. *Calcif Tissue Int*. 98(6):546-555.
99. Robinson M, Siddall A, Bilzon J, Thompson D, Greeves J, Izard R, Stokes K. (2016). Low fitness, low body mass and prior injury predict injury risk during military recruit training: a prospective cohort study in the British Army. *BMJ Open Sport Exerc Med*. 2(1):e000100.
100. Varley I, Greeves JP, Sale C, Friedman E, Moran DS, Yanovich R, Wilson PJ, Gartland A, Hughes DC, Stellingwerff T, Ranson C, Fraser WD, Gallagher JA. (2016). Functional polymorphisms in the P2X7 receptor gene are associated with stress fracture injury. *Purinergic Signal*. 12(1):103-113.

101. Pitsiladis YP, Tanaka M, Eynon N, Bouchard C, North KN, Williams AG, Collins M, Moran CN, Britton SL, Fuku N, Ashley EA, Klissouras V, Lucia A, Ahmetov II, de Geus E, Alsayrafi M; Athlome Project Consortium. (2016). Athlome Project Consortium: a concerted effort to discover genomic and other "omic" markers of athletic performance. *Physiol Genomics*. 48(3):183-90.
102. Greeves JP. (2015). Physiological Implications, Performance Assessment and Risk Mitigation Strategies of Women in Combat-Centric Occupations. *J Strength Cond Res*. 29 Suppl 11:S94-100.
103. Reilly TJ, Gebhardt DL, Billing DC, Greeves JP, Sharp MA. (2015). Development and Implementation of Evidence-Based Physical Employment Standards: Key Challenges in the Military Context. *J Strength Cond Res*. 29 Suppl 11:S28-33.
104. Sale C, Varley I, Jones TW, James RM, Tang JC, Fraser WD, Greeves JP. (2015). Effect of carbohydrate feeding on the bone metabolic response to running. *J Appl Physiol*. 119(7):824-830.
105. Carden PP, Izzard RM, Greeves JP, Lake JP, Myers SD. (2015). Force and acceleration characteristics of military foot drill: implications for injury risk in recruits. *BMJ Open Sport Exerc Med*. Aug 21;1(1):bmjsem-2015-000025.
106. Sharma J, Greeves JP, Byers M, Bennett AN, Spears IR. (2015). Musculoskeletal injuries in British Army recruits: a prospective study of diagnosis-specific incidence and rehabilitation times. *BMC Musculoskelet Disord*. 16:106.
107. Varley I, Hughes DC, Greeves JP, Stellingwerff T, Ranson C, Fraser WD, Sale C. (2015). RANK/RANKL/OPG pathway: genetic associations with stress fracture period prevalence in elite athletes. *Bone*. 71:131-136.
108. Casey A, Hughes J, Izzard RM, Greeves JP. (2014). Supplement use by UK-based British Army soldiers in training. *Br J Nutr*. 112(7):1175-1184.
109. Scott JP, Sale C, Greeves JP, Casey A, Dutton J, Fraser WD. (2014). Treadmill running reduces parathyroid hormone concentrations during recovery compared with a nonexercising control group. *J Clin Endocrinol Metab*. 99(5):1774-1782.
110. Scott JP, Sale C, Greeves JP, Casey A, Dutton J, Fraser WD. (2013). Cytokine response to acute running in recreationally-active and endurance-trained men. *Eur J Appl Physiol*. 113(7):1871-1882.
111. Scott JP, Sale C, Greeves JP, Casey A, Dutton J, Fraser WD. (2013). Effect of recovery duration between two bouts of running on bone metabolism. *Med Sci Sports Exerc*. 45(3):429-38.
112. Scott JP, Sale C, Greeves JP, Casey A, Dutton J, Fraser WD. (2012). Effect of fasting versus feeding on the bone metabolic response to running. *Bone*. 51(6):990-999.
113. Diment BC, Fortes MB, Greeves JP, Casey A, Costa RJ, Walters R, Walsh NP. (2012). Effect of daily mixed nutritional supplementation on immune indices in soldiers undertaking an 8-week arduous training programme. *Eur J Appl Physiol*. 112(4):1411-1418.

114. Scott JP, Sale C, Greeves JP, Fraser WD. (2012). Comment on Rogers et al. "Acute response of plasma markers of bone turnover to a single bout of resistance training or plyometrics". *J Appl Physiol.* 112(2):328-329. [Author reply 330].
115. Fortes MB, Diment BC, Greeves JP, Casey A, Izard R, Walsh NP. (2011). Effects of a daily mixed nutritional supplement on physical performance, body composition, and circulating anabolic hormones during 8 weeks of arduous military training. *Appl Physiol Nutr Metab.* 36(6):967-975.
116. Jepsen KJ, Centi A, Duarte GF, Galloway K, Goldman H, Hampson N, Lappe JM, Cullen DM, Greeves J, Izard R, Nindl BC, Kraemer WJ, Negus CH, Evans RK. (2011). Biological constraints that limit compensation of a common skeletal trait variant lead to inequivalence of tibial function among healthy young adults. *J Bone Miner Res.* 26(12):2872-2885.
117. Scott JP, Sale C, Greeves JP, Casey A, Dutton J, Fraser WD. (2011). Effect of exercise intensity on the cytokine response to an acute bout of running. *Med Sci Sports Exerc.* 43(12):2297-2306.
118. Imray CH, Richards P, Greeves J, Castellani JW. (2011). Nonfreezing cold-induced injuries. *J R Army Med Corps.* 157(1):79-84.
119. Sharma J, Golby J, Greeves J, Spears IR. (2011). Biomechanical and lifestyle risk factors for medial tibia stress syndrome in army recruits: a prospective study. *Gait Posture.* 33(3):361-365.
120. Scott JP, Sale C, Greeves JP, Casey A, Dutton J, Fraser WD. (2011). The role of exercise intensity in the bone metabolic response to an acute bout of weight-bearing exercise. *J Appl Physiol.* 110(2):423-432.
121. Scott JP, Sale C, Greeves JP, Casey A, Dutton J, Fraser WD. (2010). The effect of training status on the metabolic response of bone to an acute bout of exhaustive treadmill running. *J Clin Endocrinol Metab.* 95(8):3918-25.
122. Reilly T, Greeves J. (2000). Sport, leisure and ergonomics: the Olympic cycle. *Ergonomics.* 43(10):1447-1448.
123. Greeves J. (2000). Circamensal rhythmicity and muscle function: the role of reproductive hormones in the regulation of strength. *Biological Rhythm Research.* 31(1):15-28.
124. Greeves JP, Cable NT, Reilly T, Kingsland C. (1999). Changes in muscle strength in women following the menopause: a longitudinal assessment of the efficacy of hormone replacement therapy. *Clin Sci (Lond).* 97(1):79-84.
125. Greeves JP, Cable NT, Luckas MJ, Reilly T, Biljan MM. (1997). Effects of acute changes in oestrogen on muscle function of the first dorsal interosseus muscle in humans. *J Physiol.* 500 ( Pt 1)(Pt 1):265-270.
126. Greeves JP, Cable NT. (1995). Are measurements of knee extensors and flexors strength reproducible at different angular velocities using the Lido-Active Dynamometer. *Physiotherapy.* 4(81):2430244).

**Books**

Advances in Sport, Leisure and Ergonomics. Edited by Thomas Reilly and Julie Greeves. Routledge: London, New York. 2002.