

## PERSONAL INFORMATION

Address  
Nationality  
Date of birth (place)

## EDUCATION

Date of graduation	1990 Liceo Scientifico Statale "Arturo Tosi", Busto Arsizio (VA), Italy
Institution	Maturità scientifica High-school
Title of qualification awarded	
International classification	1997 Istituto Superiore di Educazione Fisica della Lombardia, Milano, Italy
Date of graduation	Diploma di educazione fisica
Institution	Bachelor
Title of qualification awarded	
International classification	2001 Facoltà di Scienze Motorie, Università degli Studi di Milano, Milano, Italy
Date of graduation	Laurea in Scienze Motorie
Institution	Master level degree (substituting the bachelor)
Title of qualification awarded	
International classification	2009 University of Science and Technology, Faculty of Medicine Department of Physiology and Biomedical Engineering, Trondheim, Norway
Date of graduation	Doctorate
Institution	Doctor of Philosophy
Title of qualification awarded	
International classification	2021 - Ongoing University of Utrecht, Netherland
Date of graduation	Master in Clinical Epidemiology
Institution	Master
Title of qualification awarded	
International classification	

## WORK EXPERIENCE (Main)

Dates	May 2018 to (present)
Employer (Country)	University of Technology Sydney – NSW, Sydney, Australia
Sector or business	Tertiary Education
Position	Professor in Sport and Exercise Science and Medicine
Main activities and responsibilities	Teaching and Research

Dates	2007 to 2018
Employer (Country)	Schulthess Clinic - Research & Development Dept – Zurich (Switzerland)
Sector or business	Orthopaedic clinic (healthcare)
Position	Senior Research Fellow (Head of the Lower Limb Clinical Outcome Research Unit)
Main activities and responsibilities	Outcome research (clinimetrics, instrument validation, clinical studies).

Dates	1997 to 2007
Employer (Country)	MAPEI Sport Research Center (Sport Service MAPEI Srl) – Italy
Sector or business	Professional Sport, Sport Medicine, Sport Science
Position	Technician and Head of research
Main activities and responsibilities	Supervision and coordination of research activities, testing and coaching.

## WORK EXPERIENCE (Freelance)

Dates	2012 - 2016
Sector or business	Swiss National Team - Fencing
Position	Fitness coach until Rio de Janeiro Summer Olympic Games
Main activities and responsibilities	Strength and Conditioning (planning and execution)

Dates	2000 - current
Sector or business	Professional teams (soccer), single athletes (e.g., participating to the Olympics), national and international sport organizations and research institutions
Position	Scientific consultant and coach
Main activities and responsibilities	Scientific advisor, member of commissions, research coordination and coaching

## OTHER EDUCATION

Dates	2019
Location	Sydney (Australia)
Organizer	NeuRA (Neuroscience Research Australia)
Topic	<b>Causal Inference</b> from pragmatic trials and observational data
Title of qualification awarded	Certification

Dates	2008
Location	Leeds (UK)
Organizer	Psychometric Laboratory for Health Sciences, Department of Rehabilitation Medicine, Faculty of Medicine and Health, University of Leeds, UK
Topic	<b>RASCH analysis</b>
Title of qualification awarded	Certification

Dates	2010
Location	Wengen (Switzerland)
Organizer	University of Berne – University of Bristol – Swiss Epidemiology Winter School
Topic	<b>META-ANALYSIS</b> in health sciences
Title of qualification awarded	Certification

Dates	2012
Location	Zurich (Switzerland)
Organizer	AO Clinical Investigation and Documentation (AOCID); Accredited by: Swiss Agency for Therapeutic Products (Swissmedic) and Swiss Association of Pharm. Professionals.
Topic	<b>Good Clinical Practice (GCP)</b> Course for Investigators (ICH GCP, ISO 14155)
Title of qualification awarded	Certification

#### Other courses (online)

- **Calculus**, (2020) - The University of Sydney – Certification; **Data Science Math Skills** (2020) - Duke University – Certification; **Inferring Causal Effects from Observational Data** (2020) - University of Pennsylvania – Certification

## OTHER ACADEMIC ACTIVITIES

#### PhD co-supervision outside UTS (from 2002 to 2017)

University	Facoltà di Scienze Motorie, Università degli Studi di Verona, Italy Edith Cowan University Western Australia School of Leisure, Sport and Tourism, University of Technology Sidney (Australia)
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#### External examiner/opponent

University	School of Leisure, Sport and Tourism, University of Technology Sidney (Australia) Victoria University, Melbourne (Australia) School of Human Movement Studies, Charles Sturt University, Bathurst (Australia) The University of Newcastle (UoN), Callaghan (Australia) School of Exercise & Nutrition Sciences, Faculty of Health, QUT (Australia) Department of Public Health, Aarhus University (Denmark) Norwegian School of Sport Sciences (Norway)
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## EXTERNAL SCIENTIFIC RESPONSIBILITIES

Reviewer for articles and grants	<ul style="list-style-type: none"> <li>● Reviewer for several journals in orthopaedics, sport science and sport medicine, and institutions</li> <li>● Reviewer for grants and applications (e.g., Arthritis New Zealand; Pac-12 Student-</li> </ul>
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<p>Athlete Health and Well-Being Grant Program).</p>	
<p>International memberships</p>	<ul style="list-style-type: none"> <li>● Fellow of the European College of Sport Science</li> <li>● Member of the Australasian Epidemiology Association</li> <li>● Member of The Society for Transparency, Openness, and Replication in Kinesiology (STORK)</li> <li>● Panel member of research networks (e.g., Young Athlete’s Hip Research Collaborative group, and International Hip-related Pain Research Network)</li> </ul>
<p>Main editorial activities (current)</p>	<ol style="list-style-type: none"> <li>1. Science and Medicine in Football Editor-in-Chief: <a href="https://www.tandfonline.com/toc/rsmf20/current">https://www.tandfonline.com/toc/rsmf20/current</a></li> <li>2. Communication in Kinesiology (official journal of STORK) Section editor: <a href="https://storkjournals.org/index.php/cik/index">https://storkjournals.org/index.php/cik/index</a></li> <li>3. Journal of Science and Medicine in Sport Editorial Board: <a href="https://www.jsams.org/">https://www.jsams.org/</a></li> </ol>
<p>Main editorial activities (past)</p>	<ol style="list-style-type: none"> <li>4. International Journal of Sports Physiology and Performance Associate Editor (past)</li> <li>5. Journal of Hip Preservation Surgery Editorial Board (past)</li> </ol>

## Scientific PUBLICATIONS

<p>Peer reviewed articles (bibliometric)</p>	
<p>Number</p>	About 200 (see Appendix 1, list of publications)
<p>Bibliometric (H, citations)</p>	55 (WoS; citations= 11,696); 58 (Scopus, citations 13,056); 76 (Google Scholar, citations= 25,682)

### Book chapters

<p><i>Chapter 17. Perception of Effort and Subjective Monitoring</i></p>	<p>Shaun J. McLaren, PhD, Aaron J. Coutts, PhD, and Franco M. Impellizzeri, PhD In: <b>NSCA’s Essentials of Sport Science</b>, ed. National Strength &amp; Conditioning Association, Duncan French, Lorena Torres. Human Kinetics, 2021</p>
<p><i>Specialised Chapter: Training Load</i></p>	<p>Shaun J. McLaren, Franco M. Impellizzeri, Aaron J. Coutts, Matthew Weston In: <b>BASES Physiological Testing Guidelines (5th Ed) - Sport Testing</b>, The British Association of Sport and Exercise Sciences, 2021 (in press)</p>
<p><i>Chapter 1. The cyclist’s physique.</i></p>	<p>Paolo Menaspà &amp; Franco Impellizzeri.</p>

In: **Cycling Science**. L. Cheung, S., & Zabala, M. (Eds.), Human Kinetics, 2017

*Chapter 1. Applied physics to understand resistance training*

Marco Pozzo and Franco Impellizzeri.

In: **Resistance Training Using Practice to Explain Theory**. Dr. Alejandro Muñoz-López, Dr. Redha Taiar, Dr. Borja Sañudo (Eds). Verlag: Springer International Publishing, 2021

## CONGRESS ACTIVITIES

### Invited talks

> 100 (national and international) – Selection of the most recent (2018-2022): 6th China Performance Training Summit Forum hosted by the China Sport Science Society for Strength and Conditioning (2018), European College of Sport Science (2019, 2021, 2022), Sport Medicine Australia Conference (2019), SPACE Conference Brisbane (2019), Strength & Conditioning Society (2020), Research to Practice ESSA (2021)

### Program/scientific committee and chairman

World Conference on Science and Soccer (2012, Ghent, Belgium; 2017 Rennes France), International Congress on Sport Sciences Research and Technology Support (2013, 2016, 2017; Portugal); AO North America (2015, Salt Lake City, USA), European College of Sport Science (2020; 2021), Word Congress of Science in Football (Groeningen, 2023)

## List of Publications

## 2023

1. Sharp P, Caperchione CM, Brown GA, Stadnyk A, Marin E, Hulin B, Wade J, Mott B, Gabriel M, **Impellizzeri F**, Fullagar HHK. A pragmatic strength and conditioning intervention for firefighters: Feasibility of the Tactical Athlete Resilience Program (TARP). *Health Promot J Austr.* 2023 Feb;34(1):60-69. doi: 10.1002/hpja.656. Epub 2022 Oct 3.
2. Dijkstra HP, Mc Auliffe S, Ardern CL, Kemp JL, Mosler AB, Price A, Blazey P, Richards D, Farooq A, Serner A, McNally E, Mascarenhas V, Willy RW, Stankovic I, Oke JL, Khan KM, Glyn-Jones S, Clarke M, Greenhalgh T; **Young Athlete's Hip Research (YAHIR) Collaborative**. Infographic. Oxford consensus on primary cam morphology and femoroacetabular impingement syndrome-natural history of primary cam morphology to inform clinical practice and research priorities on conditions affecting the young person's hip. *Br J Sports Med.* 2023 Jan 17:bjsports-2022-106094. doi: 10.1136/bjsports-2022-106094. Epub ahead of print.
3. Aiello F, **Impellizzeri FM**, Brown SJ, Serner A, McCall A. Injury-Inciting Activities in Male and Female Football Players: A Systematic Review. *Sports Med.* 2023 Jan;53(1):151-176. doi: 10.1007/s40279-022-01753-5. Epub 2022 Oct 31.
4. Dijkstra HP, Mc Auliffe S, Ardern CL, Kemp JL, Mosler AB, Price A, Blazey P, Richards D, Farooq A, Serner A, McNally E, Mascarenhas V, Willy RW, Oke JL, Khan KM, Glyn-Jones S, Clarke M, Greenhalgh T; **Young Athlete's Hip Research (YAHIR) Collaborative**. Oxford consensus on primary cam morphology and femoroacetabular impingement syndrome: part 1-definitions, terminology, taxonomy and imaging outcomes. *Br J Sports Med.* 2022 Dec 6:bjsports-2022-106085. doi: 10.1136/bjsports-2022-106085. Epub ahead of print.

## 2022

5. Petancevski EL, Inns J, Fransen J, **Impellizzeri FM**. The effect of augmented feedback on the performance and learning of gross motor and sport-specific skills: A systematic review. *Psychology of Sport and Exercise* 2022;63. doi:https://doi.org/10.1016/j.psychsport.2022.102277
6. Shrier I, Stokes T, Wang C, Trejovargas J, **Impellizzeri FM**, Steele RJ. Investigating the Effect of Return-to-Play Timing After Injury on Performance: Does the Analysis Answer the Research Objective? *Sports Med.* 2022 Nov 15. doi:10.1007/s40279-022-01792-y. Epub ahead of print.
7. Okholm Kryger K, Wang A, Mehta R, **Impellizzeri FM**, Massey A, McCall A. Research on women's football: a scoping review. *Sci Med Footb.* 2022 Dec 1;6(5):549-558. doi: 10.1080/24733938.2020.1868560. Epub 2021 Jan 8.
8. Sharp P, Caperchione CM, Brown GA, Stadnyk A, Marin E, Hulin B, Wade J, Mott B, Gabriel M, **Impellizzeri F**, Fullagar HHK. A pragmatic strength and conditioning intervention for firefighters: Feasibility of the Tactical Athlete Resilience Program (TARP). *Health Promot J Austr.* 2022 Sep 2. doi: 10.1002/hpja.656. Epub ahead of print.
9. Bullock GS, Ward P, Peters S, Arundale AJH, Murray A, **Impellizzeri FM**, Kluzek S. Call for open science in sports medicine. *Br J Sports Med.* 2022 Jun 9:bjsports-2022-105719. doi: 10.1136/bjsports-2022-105719. Epub ahead of print.
10. Modena R, **Impellizzeri FM**, Fornasiero A, Schena F. Effects of low vs. moderate dose of recreational football on cardiovascular risk factors. *Eur J Sport Sci.* 2022 Jul 16:1-9. doi: 10.1080/17461391.2022.2086488. Epub ahead of print.
11. **Impellizzeri FM**✉, Jeffries AC, Weisman A, Coutts AJ, McCall A, McLaren SJ, Kalkhoven J. Letter to "The 'training load' construct: Why it is appropriate and scientific": Authors' reply. *J Sci Med Sport.* 2022 May;25(5):451-452. doi:10.1016/j.jsams.2022.03.013. Epub 2022 Mar 25.

12. **Impellizzeri FM**✉, Jeffries AC, Weisman A, Coutts AJ, McCall A, McLaren SJ, Kalkhoven J. The 'training load' construct: Why it is appropriate and scientific. *J Sci Med Sport*. 2022 May;25(5):445-448. doi: 10.1016/j.jsams.2021.10.013.
13. Minett GM, Fels-Camilleri V, Bon JJ, **Impellizzeri FM**, Borg DN. Peer Presence Increases Session Ratings of Perceived Exertion. *Int J Sports Physiol Perform*. 2022 Jan 1;17(1):106-110. doi: 10.1123/ijsp.2021-0080. Epub 2021 Sep 24.
14. **Impellizzeri FM**✉, McCall A, Meyer T, van Smeden M. Measures of (injury and illness) occurrence: a primer on epidemiological concepts and terminology for authors. *Sci Med Footb*. 2022 May;6(2):137-140. doi: 10.1080/24733938.2022.2062897.
15. Okholm Kryger K, Wang A, Mehta R, **Impellizzeri F**, Massey A, Harrison M, Glendinning R, McCall A. Can we evidence-base injury prevention and management in women's football? A scoping review. *Res Sports Med*. 2022 Feb 14:1-16. doi:10.1080/15438627.2022.2038161. Epub ahead of print.
16. Meyer T, **Impellizzeri FM**. A special issue only for one virus: has the football research community responded well to the pandemic? *Sci Med Footb*. 2021 Nov;5(sup1):1. doi:10.1080/24733938.2021.1985904.
17. Sharp P, Bottorff JL, Rice S, Oliffe JL, Schulenkorf N, **Impellizzeri F**, Caperchione CM. "People say men don't talk, well that's bullshit": A focus group study exploring challenges and opportunities for men's mental health promotion. *PLoS One*. 2022 Jan 21;17(1):e0261997. doi:10.1371/journal.pone.0261997.
18. Jeffries A, Marcora S, Coutts A, Wallace L, McCall A, **Impellizzeri F**. Authors' Response to Comment on: "Development of a Revised Conceptual Framework of Physical Training for Use in Research". *Sports Med*. 2022 Apr;52(4):953. doi:10.1007/s40279-021-01628-1. Epub 2022 Jan 3.
19. **Impellizzeri FM**✉, McCall A, van Smeden M. Why clinical context and relevant protocols matter: author's reply. *J Clin Epidemiol*. 2022 Apr;144:209-210. doi:10.1016/j.jclinepi.2021.10.020. Epub 2021 Nov 1.
20. Arden CL, Büttner F, Andrade R, Weir A, Ashe MC, Holden S, **Impellizzeri FM**, Delahunt E, Dijkstra HP, Mathieson S, Rathleff MS, Reurink G, Sherrington C, Stamatakis E, Vicenzino B, Whittaker JL, Wright AA, Clarke M, Moher D, Page MJ, Khan KM, Winters M. Implementing the 27 PRISMA 2020 Statement items for systematic reviews in the sport and exercise medicine, musculoskeletal rehabilitation and sports science fields: the PERSiST (implementing Prisma in Exercise, Rehabilitation, Sport medicine and SporTs science) guidance. *Br J Sports Med*. 2022 Feb;56(4):175-195. doi: 10.1136/bjsports-2021-103987. Epub 2021 Oct 8.
21. Kalkhoven JT, Watsford ML, **Impellizzeri FM**. Corrigendum to "A conceptual model and detailed framework for stress-related, strain-related, and overuse athletic injury. [J. Sci. Med. Sport Volume 23, Issue 8, August 2020, Pages 726-734]". *J Sci Med Sport*. 2022 Oct;25(10):867. doi:10.1016/j.jsams.2022.08.010. Epub 2022 Sep 15. Erratum for: *J Sci Med Sport*. 2020 Aug;23(8):726-734. PMID: 36115771.

## 2021

22. **Impellizzeri FM**✉, McCall A, van Smeden M. Why methods matter in a meta-analysis: a reappraisal showed inconclusive injury preventive effect of Nordic hamstring exercise *J Clin Epidemiol*. 2021;S0895-4356(21)00287-0.
23. Stadnyk A, **Impellizzeri FM**, Stanley J, Menaspà P, Slattery KM. Testing, training, and optimising performance of track cyclists: a systematic mapping review. *Sports Med*. 2021 [accepted 6 August 2021]

24. Jeffries AC, Marcora SM, Coutts AJ, Wallace L, McCall A, **Impellizzeri FM**. Development of a Revised Conceptual Framework of Physical Training for Use in Research and Practice [published online ahead of print, 2021 Sep 14]. *Sports Med*. 2021;10.1007/s40279-021-01551-5.
25. Novak AR, **Impellizzeri FM**, Garvey C, Fransen J. Implementation of path analysis and piecewise structural equation modelling to improve the interpretation of key performance indicators in team sports: An example in professional rugby union. *J Sports Sci*. 2021;1-8.
26. Stephan A, Stadelmann VA, Leunig M, **Impellizzeri FM**. Measurement properties of PROMIS short forms for pain and function in total hip arthroplasty patients. *J Patient Rep Outcomes*. 2021;5(1):41.
27. Novak AR, Palmer S, **Impellizzeri FM**, Garvey C, Fransen J. Description of collective team behaviours and team performance analysis of elite rugby competition via cooperative network analysis. *Int J Perf Analysis Sport*. 2021 doi: 10.1080/24748668.2021.1945882
28. Novak AR, **Impellizzeri FM**, Trivedi A, Coutts AJ, McCall A. Analysis of the worst-case scenarios in an elite football team: Towards a better understanding and application. *J Sports Sci*. 2021 Apr 10:1-10. doi: 10.1080/02640414.2021.1902138
29. Kalkhoven JT, Watsford ML, Coutts AJ, Edwards WB, **Impellizzeri FM**. Training Load and Injury: Causal Pathways and Future Directions. *Sports Med*. 2021 Jan 5. doi: 10.1007/s40279-020-01413-6.
30. **Impellizzeri FM**✉, Woodcock S, Coutts AJ, Fanchini M, McCall A, Vigotsky AD. What Role Do Chronic Workloads Play in the Acute to Chronic Workload Ratio? Time to Dismiss ACWR and Its Underlying Theory. *Sports Med*. 2021;51(3):581-592. doi:10.1007/s40279-020-01378-6
31. Russell JL, McLean BD, **Impellizzeri FM**, Strack DS, Coutts AJ. Measuring Physical Demands in Basketball: An Explorative Systematic Review of Practices. *Sports Med*. 2021 Jan;51(1):81-112. doi: 10.1007/s40279-020-01375-9. PMID: 33151481.

## 2020

32. Udby CL, **Impellizzeri FM**, Lind M, Nielsen RØ. How Has Workload Been Defined and How Many Workload-Related Exposures to Injury Are Included in Published Sports Injury Articles? A Scoping Review. *J Orthop Sports Phys Ther*. 2020 Oct;50(10):538-548. doi: 10.2519/jospt.2020.9766. PMID: 32998614.
33. **Impellizzeri FM**✉, Menaspà P, Coutts AJ, Kalkhoven J, Menaspà MJ. Training Load and Its Role in Injury Prevention, Part I: Back to the Future. *J Athl Train*. 2020 Sep 1;55(9):885-892. doi: 10.4085/1062-6050-500-19. PMID: 32991701; PMCID: PMC7534945.
34. **Impellizzeri FM**✉, McCall A, Ward P, Bornn L, Coutts AJ. Training Load and Its Role in Injury Prevention, Part 2: Conceptual and Methodologic Pitfalls. *J Athl Train*. 2020 Sep 1;55(9):893-901. doi: 10.4085/1062-6050-501-19. PMID: 32991699; PMCID: PMC7534938.
35. Jeffries AC, Wallace L, Coutts AJ, McLaren SJ, McCall A, **Impellizzeri FM**. Athlete-Reported Outcome Measures for Monitoring Training Responses: A Systematic Review of Risk of Bias and Measurement Property Quality According to the COSMIN Guidelines. *Int J Sports Physiol Perform*. 2020 Sep 21:1-13. doi: 10.1123/ijspp.2020-0386. Epub ahead of print. PMID: 32957081.
36. **Impellizzeri FM**, Franchi MV, Sarto F, Meyer T, Coutts AJ. Sharing information is probably more helpful than providing generic training recommendations on return to play after COVID-19 home confinement. *Sci Med Football*. 2020. 4:3, 169-170
37. Reiman MP, Agricola R, Kemp JL, Heerey JJ, Weir A, van Klij P, Kassarian A, Mosler AB, Ageberg E, Hölmich P, Warholm KM, Griffin D, Mayes S, Khan KM, Crossley KM, Bizzini M, Bloom N, Casartelli NC, Diamond LE, Di Stasi S, Drew M, Friedman DJ, Freke M, Glyn-Jones S, Gojanovic B, Harris-Hayes M, Hunt MA, **Impellizzeri FM**, Ishøi L, Jones DM, King MG, Lawrenson PR, Leunig M, Lewis CL, Mathieu N, Moksnes H, Risberg MA, Scholes MJ, Semciw AI, Serner A, Thorborg K,



- Virgile A, Wörner T, Dijkstra HP. Infographic. Consensus recommendations on the classification, definition and diagnostic criteria of hip-related pain in young and middle-aged active adults from the International Hip-related Pain Research Network, Zurich 2018. *Br J Sports Med.* 2020 Aug 31;bjssports-2020-102219. doi: 10.1136/bjssports-2020-102219.
38. Jeffries AC, Wallace L, Coutts AJ, Cohen AM, McCall A, **Impellizzeri FM**. Injury, Illness, and Training Load in a Professional Contemporary Dance Company: A Prospective Study. *J Athl Train.* 2020 Aug 20. doi: 10.4085/1062-6050-477-19. Epub ahead of print.
  39. **Impellizzeri FM**✉, Ward P, Coutts AJ, Bornn L, McCall A. Training Load and Injury: Part 1-The Devil Is in the Detail-Challenges to Applying the Current Research in the Training Load and Injury Field. *J Orthop Sports Phys Ther.* 2020 Aug 1:1-7.
  40. **Impellizzeri FM**✉, Ward P, Coutts AJ, Bornn L, McCall A. Training Load and Injury: Part 2-Questionable Research Practices Hijack the Truth and Mislead Well-Intentioned Clinicians. *J Orthop Sports Phys Ther.* 2020 Aug 1:1-17.
  41. Grandou C, Wallace L, Coutts AJ, Bell L, **Impellizzeri FM**. Symptoms of Overtraining in Resistance Exercise: International Cross-Sectional Survey. *Int J Sports Physiol Perform.* 2020 Jul 17:1-10.
  42. McCall A, Pruna R, Van der Horst N, Dupont G, Buchheit M, Coutts AJ, **Impellizzeri FM**, Fanchini M; EFP-Group. Exercise-Based Strategies to Prevent Muscle Injury in Male Elite Footballers: An Expert-Led Delphi Survey of 21 Practitioners Belonging to 18 Teams from the Big-5 European Leagues. *Sports Med.* 2020 Sep;50(9):1667-1681. d
  43. **Impellizzeri FM**✉, Tenan MS, Kempton T, Novak A, Coutts AJ. Acute:Chronic Workload Ratio: Conceptual Issues and Fundamental Pitfalls. *Int J Sports Physiol Perform.* 2020 Jun 5:1-7.
  44. Sarto F, **Impellizzeri FM**, Spörri J, Porcelli S, Olmo J, Requena B, Suarez-Arrones L, Arundale A, Bilsborough J, Buchheit M, Clubb J, Coutts A, Nabhan D, Torres-Ronda L, Mendez-Villanueva A, Mujika I, Maffiuletti NA, Franchi MV. Impact of Potential Physiological Changes due to COVID-19 Home Confinement on Athlete Health Protection in Elite Sports: a Call for Awareness in Sports Programming. *Sports Med.* 2020 Aug;50(8):1417-1419. doi: 10.1007/s40279-020-01297-6.
  45. Mannion AF, Nauer S, Arsoy D, **Impellizzeri FM**, Leunig M. The Association Between Comorbidity and the Risks and Early Benefits of Total Hip Arthroplasty for Hip Osteoarthritis. *J Arthroplasty.* 2020 Sep;35(9):2480-2487. doi: 10.1016/j.arth.2020.04.090.
  46. Fanchini M, Steendahl IB, **Impellizzeri FM**, Pruna R, Dupont G, Coutts AJ, Meyer T, McCall A. Exercise-Based Strategies to Prevent Muscle Injury in Elite Footballers: A Systematic Review and Best Evidence Synthesis. *Sports Med.* 2020 Sep;50(9):1653-1666. doi: 10.1007/s40279-020-01282-z.
  47. Kalkhoven JT, Watsford ML, **Impellizzeri FM**. A conceptual model and detailed framework for stress-related, strain-related, and overuse athletic injury. *J Sci Med Sport.* 2020 Aug;23(8):726-734. doi: 10.1016/j.jsams.2020.02.002. Epub 2020 Feb 13.
  48. Kalkhoven J, Coutts AJ, **Impellizzeri FM**. 'Training load error' is not a more accurate term than 'overuse' injury. *Br J Sports Med.* 2020 Aug;54(15):934-935. doi: 10.1136/bjssports-2019-101710.
  49. **Impellizzeri FM**✉, Jones DM, Griffin D, Harris-Hayes M, Thorborg K, Crossley KM, Reiman MP, Scholes MJ, Ageberg E, Agricola R, Bizzini M, Bloom N, Casartelli NC, Diamond LE, Dijkstra HP, Di Stasi S, Drew M, Friedman DJ, Freke M, Gojanovic B, Heerey JJ, Hölmich P, Hunt MA, Ishøi L, Kassarjian A, King M, Lawrenson PR, Leunig M, Lewis CL, Warholm KM, Mayes S, Moksnes H, Mosler AB, Risberg MA, Semciw A, Serner A, van Klij P, Wörner T, Kemp J. Patient-reported outcome measures for hip-related pain: a review of the available evidence and a consensus statement from the International Hip-related Pain Research Network, Zurich 2018. *Br J Sports Med.* 2020 Jul;54(14):848-857. doi: 10.1136/bjssports-2019-101456.

50. Reiman MP, Agricola R, Kemp JL, Heerey JJ, Weir A, van Klij P, Kassarian A, Mosler AB, Ageberg E, Hölmich P, Warholm KM, Griffin D, Mayes S, Khan KM, Crossley KM, Bizzini M, Bloom N, Casartelli NC, Diamond LE, Di Stasi S, Drew M, Friedman DJ, Freke M, Gojanovic B, Glyn-Jones S, Harris-Hayes M, Hunt MA, **Impellizzeri FM**, Ishøi L, Jones DM, King MG, Lawrenson PR, Leunig M, Lewis CL, Mathieu N, Moksnes H, Risberg MA, Scholes MJ, Semciw AI, Serner A, Thorborg K, Wörner T, Dijkstra HP. Consensus recommendations on the classification, definition and diagnostic criteria of hip-related pain in young and middle-aged active adults from the International Hip-related Pain Research Network, Zurich 2018. *Br J Sports Med.* 2020 Jun;54(11):631-641. doi: 10.1136/bjsports-2019-101453.
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